

भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 5] NEW DELHI, SATURDAY, FEBRUARY 1, 1992 (MAGHA 12, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 1st February 1992

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Patent Office Branch, Unit No. 401 to 405, III Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

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Telegraphic address "PATENTOFIC"

Patent Office Branch, 61, Wallajah Road, Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office), "NIZAM PALACE" 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 1 फरवरी 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट
तीसरा तल, लोअर पररेल (पश्चिम),
बम्बई-400013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
विश्व एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप
मिनिक्काय तथा एमिनिदिनी द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड
कलकत्ता-700020

भारत का अंशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन पत्र, सूचनाएँ, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपर्युक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
आक आदेश या जहाँ उपर्युक्त कार्यालय अवस्थित है; उस स्थान के
अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
चेक द्वारा की जा सकती है ।

CORRIGENDUM

Gazette of India, Part III, Section-2, dated 14-09-1991, in
respect of Application No. 14/Bom/1988 (169241) on page
No. 1036 below Fig. 2A Insert as “Provisional Specification
4 Pages & Drawing Nil.

THE PATENT OFFICE

Calcutta, the 1st February, 1992

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed under section 135, of the Patents Act 1970.

The 23rd December 1991

942/Cal/91 Sri Purnendu Chatterjee, Organic Manure from
waste material of paper and board industry.

943/Cal/91 Tega India Limited, Improvements in or relat-
ing to Skirt Board.

944/Cal/91 Hoechst Celanese Corporation, Process for the
preparation of Arylalkylamines and substituted
Arylalkylamines.

The 24th December 1991

945/Cal/91 E. Mervyn J. Gaylard and Cornelius J. Du
Plessis, Apparatus and process for activation of
carbon by electrical resistance heating in the pre-
sence of steam.

946/Cal/91 Somar Corporation, Epoxy powder coating com-
position for use in electrostatic coating.

947/Cal/91 E. I. Du Pont De Nemours and Company,
Antistatic Antihalation backing layer with im-
proved properties.

948/Cal/91 Walker-Estes Corporation, Mixed-resolution, N-
Dimensional object space method and apparatus.

APPLICATIONS FOR PATENTS FILED IN THE PATENT
OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR,
SUN MILL COMPOUND, LOWER PAREL (WEST)
BOMBAY-13

The 21st October 1991

310/Bom/1991 Juzar Taher Haideri, Improvements in or
relating to keyless shaft hub locking devices.

The 22nd October 1991

311/Bom/1991 Sealol Hindustan Ltd. High pressure dual
balanced mechanical seal.

312/Bom/1991 Pvloff Packaging Pvt. Ltd. A process for
manufacturing packaging release paper, coating
composition for packaging release paper & a
packaging release paper having the coating com-
position.

313/Bom/1991 Eruchsha Nariman Contractor & Mrs.
Patricia Eruchsha Contractor, A device to prevent
accidents at un-manned railway crossings.

314/Bom/1991 Eruchsha Nariman Contractor & Mrs.
Patricia Eruchsha Contractor, A device to barri-
cade rodents from entering into ships, hangers
garages & godowns.

The 23rd October 1991

315/Bom/1991 The Beta Co. A drum magazine.

The 24th October 1991

316/Bom/1991 Hindustan Lever Ltd. Compositions.

The 25th October 1991

317/Bom/1991 Nipak Plastics Pvt. Ltd. Improvements in or relating to blow moulded bottles & similar articles

318/Bom/1991 Jose Madan. A deblistering machine.

319/Bom/1991 Grasim Industries Ltd. Improvements in or relating to filtration apparatus.

The 28th October 1991

320/Bom/1991 Hawkins Cookers Ltd. An improved carton.

The 29th October 1991

321/Bom/91 Hindustan Organic Chemicals Ltd. An improved process for the conversion of aniline to cyclohexylamine.

322/Bom/91 Hindustan Lever Ltd. Animal Feed.

323/Bom/91 Hindustan Lever Ltd. Improved Method of Manufacture.

324/Bom/91 Vipin Champsey Shah. An improved Multifilament lamp with auto-switching electronic switch.

The 30th October 1991

325/Bom/91 Anand Shripad Wagh. New method of squeeze-bing fabrics with three vertical bowls-Sandwich system.

326/Bom/91 Wipro Infotech Ltd. An industrial personal computer.

327/Bom/91 Bipin Vadilal Mehta. Improved antifriction bearing for rocker arm of circular loom and the like.

328/Bom/91 Bipin Vadilal Mehta. Improved gravity feed lubricating system for cam of circular loom.

329/Bom/91 Korake Sanjay Prabhakar. Korake's Dhar Irrigation.

The 31st October 1991

330/Bom/91 Lubrizol India Ltd. A process for the production of a lubricating oil additive based on mineral oil concentrate of novel oil soluble partly aminated alkyl methacrylate polymer containing branched chain alkyl groups with 8 to 12 carbon atoms and having dispersancy and viscosity index improver properties.

331/Bom/91 Lubrizol India Ltd. A lubricating oil composition based on mineral oil concentrate of novel oil soluble partly aminated alkyl methacrylate polymer containing branched chain alkyl groups with 8 to 12 carbon atoms and having dispersancy and viscosity index improver properties.

The 1st November, 1991

332/Bom/91 Sinter Plast Containers. Rivets Flot Head and dome Head Made of plastics.

333/Bom/91 Sinter Plast Containers. Multipurpose joining devices.

334/Bom/91 Rajan Bhogate. Improved efficiency machine and method of making the same.

335/Bom/91 Big. Ben Engg. Works. Double Decker multi-colour rotogravure printing machine.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-2

The 18th November, 1991

851/Mas/91 Inventio AG. Brake catching device for lift cage and counterweight.

852/Mas/91 Norton Company. Process and device for the manufacture of filamentary abrasive particles.

853/Mas/91 Edward Albert Munn and Trevor Stanley Smith. Method for producing a purified protein complex. (March 17, 1989; United Kingdom) (Divisional to Patent Application No. 203/Mas/90).

The 19th November 1991

854/Mas/91 Elgibi Engineering Works Limited. A corner block assembly.

855/Mas/91 Elgibi Engineering Works Limited. "T" insert Assembly.

856/Mas/91 Elgibi Engineering Works Limited. Waist rail section of a bus body.

857/Mas/91 Elgibi Engineering Works Limited, Windscreen Glass Assembly.

858/Mas/91 Elgibi Engineering Works Limited. Roof shoulder of a bus body.

859/Mas/91 Elgibi Engineering Works Limited. Rub rail door hinge assembly.

860/Mas/91 Elgibi Engineering Works Limited. Inner grab rail for a bus.

861/Mas/91 Savio S p A. Thread-laying device with rotating thread-guide elements on two converging inclined planes.

862/Mas/91 Hybo Science, Inc. Improvements in Helical, Bevel and Worm gear arrangements.

863/Mas/91 Hybo Science, Inc. Modified Bicycle Hub.

864/Mas/91 Akebono Brake Industry Co. Ltd. & Akebono Research and Development Centre Ltd. Method of processing brake pads for disc brakes.

The 20th November 1991

865/Mas/91 Kankath Raman Sahadevan. "S. M. CLOCK" (Sahadevan Mankara Clock).

866/Mas/91 Mefina S.A. Sewing machine.

867/Mas/91 Mefina S.A. Sewing machine.

868/Mas/91 Mefina S.A. Device for pivotable linkage between two levers.

869/Mas/91 Atochem. Method for filling drums with immiscible liquids and its applications, especially for the drum-filling of white phosphorus.

870/Mas/91 Aluminium Pechiney. Apparatus for separating a material in fluidized bed form and the detection of clogging.

The 25th November, 1991

871/Mas/91 Glaxo Group Limited. (April 5, 1989; Great Britain) (Divisional to Patent Application No. 247/Mas/90).

872/Mas/91 Glaxo Group Limited. (April 5, 1989; Great Britain) (Divisional to Patent Application No. 247/Mas/90).

873/Mas/91 The Boots Company PLC. A process for purifying chymopapain. (April 28, 1989;) (Divisional to Patent Application No. 327/Mas/90).

The 26th November 1991

874/Mas/91 Astra Research Centre India. A process for the detection of a virulence specific bacterial DNA sequence.

875/Mas/91 Girivas Viswanath Shet. A method of selling lottery tickets of various state government through cheque payment.

876/Mas/91 Micronisers Pty. Ltd. and Unilever Australia Limited. Polymeric Materials. (November 27, 1989; Australia).

877/Mas/91 SMS Schioemann-Siemag Aktiengesellschaft. Piston-cylinder unit for producing and transmitting compressive forces.

The 27th November, 1991

- 878/Mas/91 Vittal Maliya Scientific Research Foundation.
A process for the preparation of an improved
phosvitin.
- 879/Mas/91 Sandoz Ltd. Improved Shotcrete Compositions.
(January 25, 1991; Great Britain).
- 880/Mas/91 N. Sabapathy. Automatic gearing system for
vehicles.
- 881/Mas/91 Affymax Technologies N.V. Very large scale
immobilized polymer synthesis.

The 28th November 1991

- 882/Mas/91 Eytam R. Barnea. k Gestational agents controlling
cell proliferation.

The 29th November, 1991

- 883/Mas/91 Astra Research Centre India. A new method
for the diagnosis of virulent bacteria.
- 884/Mas/91 CPC International Inc. Absorbable dusting
powder derived from starch.

ALTERATION OF DATE UNDER SECTION 16

- 170039
(851/Cal/89)
ante date to May 30, 1986
- 170044
(387/Mas/89)
ante dated to September 08, 1987.
- 170045
(388/Mas/89)
ante dated to September 08, 1987.
- 170047
(512/Mas/89)
ante dated to June 26, 1985.
- 170049
(527/Mas/89)
ante dated to October 04, 1985.
- 170050
(566/Mas/89)
ante dated to March 12, 1986.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/ (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसे अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

नीचे सूचीगत विनिर्देशों की सीमित संख्या मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकल्पन किया जा सकता है।

Cl. : 129G.

170031

Cl. 148H.

170032

Int. Cl. : B21D 53/00.

Int. Cl.H05G 1/30.

CUTTING OR DRAWING TOOL.

EQUIPMENT FOR SLIT RADIOGRAPHY.

Applicant : MAAG GEAR-WHEEL & MACHINE COMPANY LIMITED, HARDSTRASSE 219 CH-8023 ZURICH, SWITZERLAND.

Applicant : B. V. OPTISCHE INDUSTRIE "DE OUDE DELEFT" VAN MIEREVELT/LAAN 9, 2612 XE DELEFT, THE NETHERLANDS.

Inventor : ROLAND KROMER.

Inventor : HUGO VLASBLOEM.

Application No. 724/Cal/1988 filed 30 Aug., 1988.

Application No. 740/Cal/1988 filed 5 September, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A cutting or drawing tool for producing internal or external profiles with a cutter plate holder suitable for setting up in a machine tool and a cutter plate attached thereto, characterised in that at least one cutter plate (2, 5 or 22) can be clamped fast in the cutter plate holder (1, 21) by means of an adjusting device (10, 30).

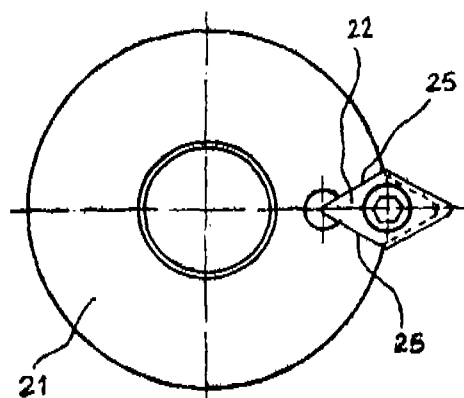
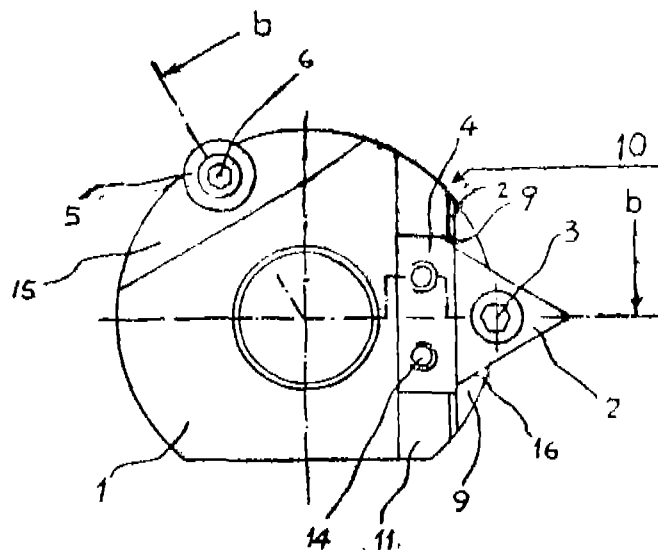


Fig 2a

(Compl. Specn. 12 pages)

(Drgs. 2 Sheets.)

21 Claims

Equipment for slit radiography comprising an X-ray source which can scan a body under examination with a fan-shaped X-ray beam via a slit of a slit-type diaphragm to form an X-ray shadow image; an X-ray detector for receiving the X-ray radiation transmitted through the body; detection means which are equipped to deliver continuously, per sector of the fan-shaped X-ray beam, a signal which is a measure of the quantity of X-ray radiation instantaneously transmitted in the respective sector through the body under examination; control means which form control signals on the basis of the signals from the detection means; and an attenuation device which operates in conjunction with the slit type diaphragm and which regulates the quantity of X-ray radiation transmitted under the control of the control signals per sector of the fan-shaped X-ray beam, characterized in that the attenuation device comprises at least one strip of an elastic X-ray radiation absorbing material, which is extendable substantially parallel to the longitudinal edge of the slit and convertible to an undulated state during operation by the action of controllable drive means, which may, for example, be tongues mounted in a cantilever manner.

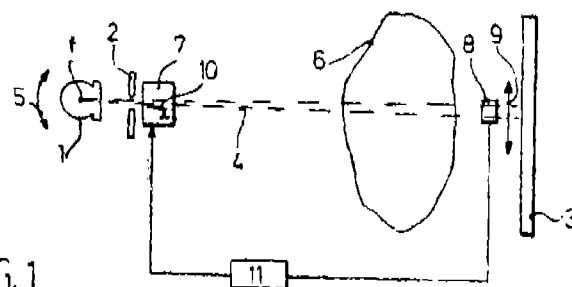


FIG. 1

(Compl. Specn. 15 pages.)

(Drgs. 2 sheets.)

Cl. 145-D.

170033

Int. Cl. D21F 3/00.

AN EXTENDED-NIP-WEB PRESS.

Applicant : BELOIT CORPORATION, BÉLOIT, WISCONSIN, 53511, POST BOX 350, U.S.A.

Inventors : (1) DAVID VINOENT LANGE, (2) ARNOLD JAMES ROERIG and (3) DALE ALLEN BROWN.

Application No. 746/Cal/1988 filed 7 September, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An extended-nip web press having a fram, a travelling surface a felt and looped belt-co-running with the travelling surface, felt and web through the extended nip, a shoe and shoe support means opposite the travelling surface for providing nipping force between the belt and travelling surface, and

means associated with the shoe support means for moving the shoe and altering the path of belt travel and its position in the extended nip.

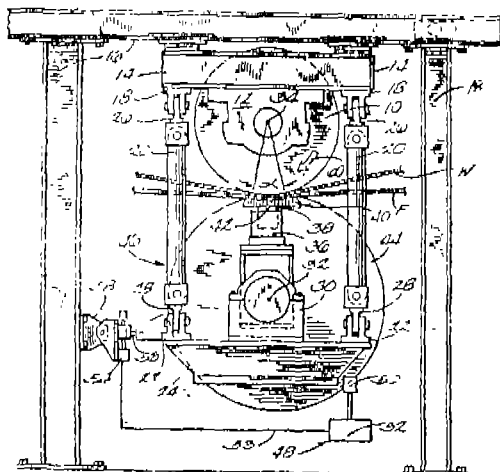


FIG. 1

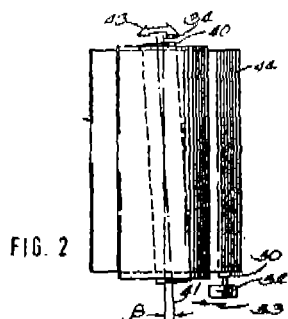


FIG. 2

(Compl. Specn. 12 pages.

Drgs. 1 sheet)

Cl.: 40-F, 56-B.

170034

Int. Cl.: C 10 G 11/00

APPARATUS FOR INJECTION OF A CHARGE OF HYDROCARBON IN A REACTOR FOR CATALYTIC CRACKING.

Applicant: COMPAGNIE DE RAFFINAGE ET DE DISTRIBUTION TOTAL FRANCE S.A., 84, RUE DE VILLIERS, 92300 LEVALLOIS-PERRET, FRANCE.

Inventors: (1) WILLIATTE CHRISTOPHE, (2) SIGAUD JEAN-BERNARD, (3) PATUREAUX THIERRY and (4) LOUTATY ROSEN.

Application No. 850/Cal/1988 filed 14 October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An apparatus for injection of a charge of hydrocarbon in a reactor for catalytic cracking, comprising a lance (5) for introducing and mixing a charge of liquid hydrocarbon and of water vapour and venturi tube (6) having therein a convergent portion (10) and a divergent portion (14) connected to cylindrical portion, (13) the convergent portion of the venturi tube being in communication with the discharge end of the said lance, (5) while the divergent portion of the venturi tube extends to the free end (i.e. discharge end) of the apparatus, the said free end being provided with a hood (7) having an opening, the said convergent and divergent portions of the venturi tube, (6) being connected to the said

cylindrical portion in continuous manner by a rounded profile and, without any sharp angle and the convergence and divergence being in the angle range of 10° to 15° and 2° to 5° respectively, with respect to the axis of the venturi tube.

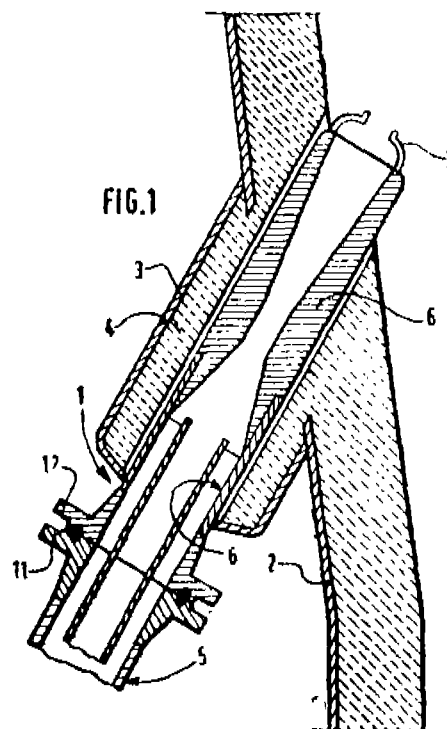


FIG. 1

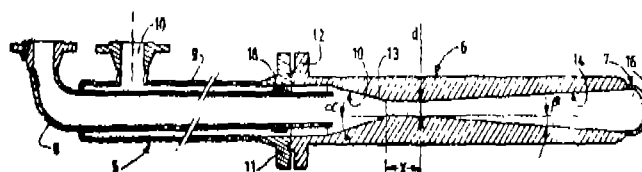


FIG. 2

(Compl. Specn. 16 pages.

Drgs. 2 sheets.)

Cl.: 157-D.

170035

Int. Cl.: E 01 B 27/00.

A RAILWAY TRACK TRAVELLING MACHINE FOR DISTRIBUTING AND SHAPING THE BEDDING BALLAST OF A RAILWAY TRACK.

Applicant: FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIE GESELLSCHAFT M.B.H., A-1010 WIEN, JOHANNESGASSE 3 AUSTRIA.

Inventor: ING. JOSEF THEURER.

Application No. 853/Cal/1988 filed 14 October 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A railway track travelling machine for distributing and shaping the bedding ballast of a railway track consisting of sleepers and rails, comprising a machine frame supported by undercarriages and a planing plough formed by vertically adjustable centre plough plates pivotal about a vertical axis

and arranged between the rails, the planing plough comprising rail tunnels covering the rails, characterized in that a vertically adjustable scraping and damming wall (15) extending transversely of the longitudinal axis of the machine is associated with the planing plough (12) between the two rail tunnels (16) and immediately behind centre plough plates (13) and is following immediately by an arrangement (20) for carrying away ballast flowing over the upper edge of the damming wall (15)

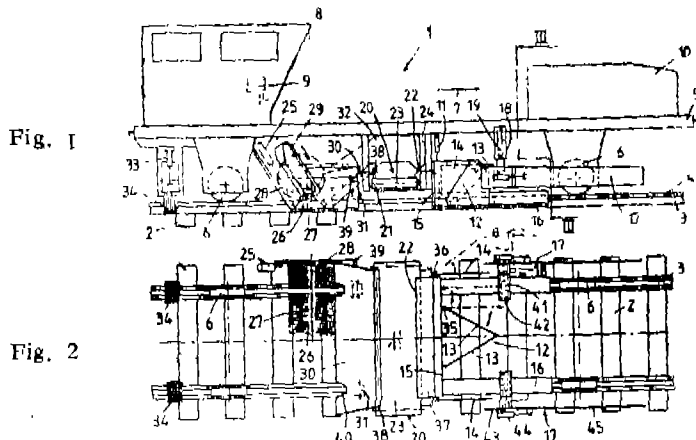


Fig. 1

Fig. 2

(Compl. Specn. 19 pages.)

Drgs. 2 sheets)

Cl. : 157-A⁴.

170036

Int. Cl. : E 01 B 7/10.

REVERSING DEVICE FOR A RAIL CROSSING SITE.

Applicant : VOEST-ALPINE MASCHINENBAU GESELLSCHAFT M.B.H., A-4020 LINZ, LUNZERSTRASSE 64, AUSTRIA.

Inventors : (1) GERALD DURCHSCHLAG, (2) ALFRED LANG, (3) FRANZ ROTTER, (4) DIETER FRITZ AND (5) HEINZ KOPILOVITSCH.

Application No. 869/Cal/1988 filed on 21st October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims**1. A reversing device for a rail crossing site, comprising :**

two wing rails which converge at an acute angle away from the crossing site;

one of the connecting rails being arranged to provide part of a first longitudinal continuation of one of the wing rails, and the other of the connecting rails being arranged to provide part of a second longitudinal continuation of the other of the wing rails;

a rail element disposed at the said crossing site and arranged to alternatively provide a further part of said first longitudinal continuation which includes said one wing rail and one connecting rail or a further part of said second longitudinal continuation which includes said other wing rail and said other connecting rail;

means for shifting a structure comprising one of :

(a) said rail element; and

(b) said two wing rails and said two connecting rails,

between a first position and a second position, for alternatively establishing said first longitudinal continuation while disrupting said second longitudinal continuation, and establishing said second longitudinal continuation while disrupting said first longitudinal continuation;

said means for shifting said structure between said first position and said second position, comprising :

at least one supporting rod extending generally longitudinally of said wing rails and connecting rails beside said rail element;

guide means supporting each said supporting rod for reversible longitudinal movement;

drive means for reversibly longitudinally moving each said supporting rod in the respective said guide means between a first position and a second position;

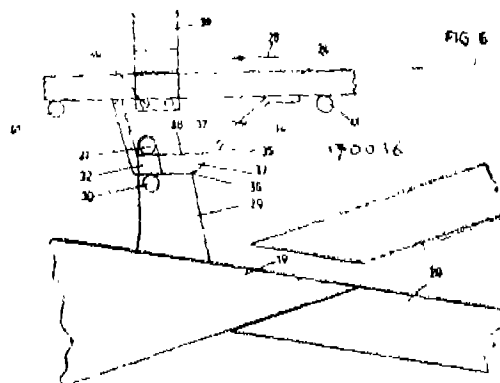
each said structure having a secured thereon and projecting generally transversally therefrom for interaction with a respective said supporting rod at least one structure-based thrust support having support surface means;

each support rod having secured thereon and projection generally transversally therefrom for interaction with said structure at least one support rod-based thrust support having a wedge surface leading to a support surface, each said support surface being disposed in a substantially vertical plane as seen in plan view, which plane is substantially parallel to the longitudinal axis of the respective support rod;

each support rod-based thrust support being so located on a respective said support rod, in relation to a respective said structure-based thrust support, that, in sequence as said structure is being shifted by longitudinally moving each said support rod, to provide as a new position either said longitudinal continuation from providing as an existing position the respective other said longitudinal continuation :

(a) a said support surface of a said support rod-based thrust support which is in engagement with a said support surface means of a said structure-based thrust support is moved out of engagement therewith so as to free said structure from being fixed in said existing position and able to be shifted towards said new position; and

(b) a said wedge surface of a said support rod-based thrust support is progressively moved along a said support surface means of a said structure-based thrust support so as to cam said structure away from said existing position and into said new position, until the said support surface into which such wedge surface leads becomes engaged with said support surface means of the last-mentioned structure based thrust support thereby fixing said structure in said new position.



(Compl. Specn. 25 pages.)

Drgs. 4 sheets)

CL : 152 F. 40-C.

170037

Int. Cl. : C08J 3/00.

A MICROMULSION OF THE OIL-IN-WATER OR WATER-IN-OIL TYPE CONTAINING PERFLUOROPOLYETHERS.

Applicant : AUSIMONT S.R.L., 31, FORO BUONAPARTE, MILAN, ITALY.

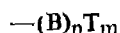
Inventors : (1) MARIO VISCA AND (2) DARIA LENTI.

Application No. 881/Cal/1988 filed on 25th October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A microemulsion of the oil-in-water (o/w) or water-in-oil (w/o) type, consisting percent by weight of the microemulsion, of 1.4 to 65 parts of water, 1.5 to 83.7 parts of a liquid perfluoropolyether having an average molecular weight from 1,500 to 10,000 and end groups at least partially of the functionalized (non-perfluoroalkyl) type, and 8.3 to 41.2 parts of a perfluorinated surfactant and/or a co-surfactant as herein described optionally of one or more water-soluble electrolytes, said functionalized end groups being represented by the formula :



wherein $n=0$ or 1, B is linking hydrocarbon radical, either divalent or polyvalent, in particular an alkylene or a cycloalkylene or an arylene radical, having up to 20 carbon atoms and preferably up to 8 carbon atoms, m varies from 1 to 3 and preferably is equal to 1, and T is one of the following groups or radicals : -H, -COOH, -SO₃H, -OH, Polyoxyalkylene -OH, an ester or amidic or aminic or quaternary ammonium group.

(Compl. Specn. 25 pages.

Drgs. NIL.)

CL : 116-G.

170038

Int. Cl. : B65G 47/00.

APPARATUS FOR THE ONWARD CONVEYANCE AND STACKING OF FLAT MATERIAL. SECTIONS DERIVED FROM A PROCESSING MEANS.

Applicant : LENZING AKTIENGESellschaft, A-4860 LENZING, AUSTRIA.

Inventors : (1) CHRISTIAN MOSER, (2) HERMANN PICHLER AND (3) GERNOT OTT.

Application No. 164/Cal/1989 filed on 27th February, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

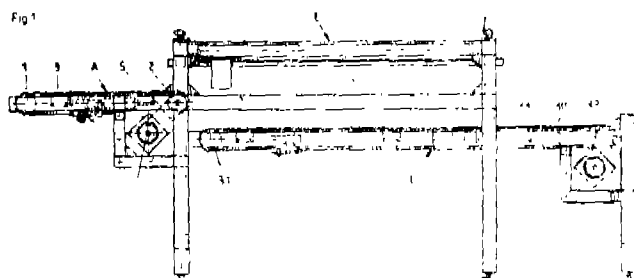
12 Claims

Apparatus for the onward conveyance and stacking of flat material sections derived from a processing means comprising a feed-table and, following thereon, a transfer and stacking means, including a receiving table comprising a pair of spaced apart gripping means, slidable in the longitudinal direction of the table, each comprising an upper and a lower clamping jaw for gripping therebetween, in the region of its terminal edge, the material section lying on the feed-table, an adjustment means being provided for the synchronous displacement of the gripping means along the longitudinal guides, the stacking table following onto the feed-table, being provided at a lower level than the latter characterised in that for the onward transportation of flatly deposited tubular sections, in particular of bags which have been manufactured by one or more

(11, 11a), pro

upper side of the bag or the like deposited on the feed-table and being provided with an insertion prone (117, 11a), is connected rigidly to the adjustment means (15-18) and the lower clamping jaw (12) is adapted to be flapped towards the upper clamping jaw.

Fig. 1



(Compl. Specn. 18 pages.

Drgs. 3 sheets.)

CL : 92E&D.

170039

Int. Cl. : A21D 2/00.

RICE BRAN EXTRUDING APPARATUS.

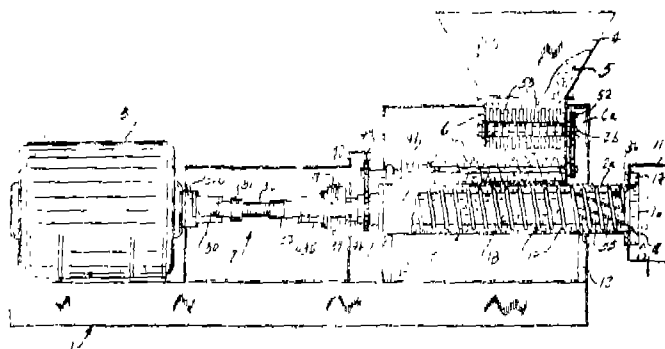
Applicant & Inventor : BRADY INTERNATIONAL INC., 23535 TELO AVENUE, TORRANCE, CALIFORNIA 90503, U.S.A.

Application No. 851/Cal/1989 filed on 13th October 1989. Diversion of Application No. 405/Cal/86 dated 30-5-1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A rice bran extruding apparatus for extruding powdery rice bran comprising an extruder having a flighted rotor rotatably mounted within a tubular shell and terminating in an extrusion nozzle, said rotor having a spiral flight defining a spiral passageway extending backwardly from said extrusion nozzle, an electric motor mounted in alignment with said rotor, a direct drive coupling/connection unit connecting said rotor and establishing a direct one-to-one drive between said motor and said rotor, said rotor being operable to move said rice bran in a continuous manner through said shell and said extrusion nozzle, and a releasable connection unit in said direct drive connection unit and operably disengaging said flighted rotor from said motor in response to a predetermined differential pressure across said connection unit.



CL : 55B₃+164A 201C.

170040

Int. CL⁴ : A611 2/16, C02F 1/50, 3/28.

METHOD FOR TREATING A BODY OF FLUID CONTAMINATED WITH BACTERIA TO RENDER THE FLUID SUBSTANTIALLY FREE FROM SAID BACTERIA.

Applicant : WITTON CHEMICAL COMPANY LIMITED, 52 CHISWICK AVENUE, MILDENHALL, BURY ST. EDMUNDS, SUFFOLK IP28 7AY, ENGLAND.

Inventor : ERIC WRENCH.

Application No. 147/Cal/1990 filed 17 January, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method of treating a body of fluid such as herein described contaminated with bacteria namely *Legionella pneumophila* and *Desulfovibrio desulfuricans* to render the fluid substantially free from said bacteria comprising the steps of adding to the fluid a predetermined quantity of the bisulphite addition compound of an aldehyde or di-aldehyde optionally in the presence of a surfactant such as herein described.

(Compl. Specn. 17 pages.

Drgs. NIL.)

CL : 32-E [GROUP-IX(1)].

170041

Int. CL⁴ : C 08 F 218/04.

A PROCESS FOR PREPARING A NOVEL COPOLYMER.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF 4, AVENUE DE BOIS PREAU, 92502, RUEIL-MALMAISON, FRANCE.

Inventors : (1) JACQUES JARRIN, (2) MAGALI ROBINE AND (3) JEAN-PIERRE DURAND.

Application No. 431/Mas/87 filed June 10, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for preparing a novel copolymer comprising the steps of (a) reacting triallylcyanurate and at least one mono-primary or biprimary aliphatic amine having the

general formula $R^1 (N-A)_x NH_2$ wherein R^1 is a hydrogen atom or a linear or branched alkyl radical of the formula $-C_nH_{2n+1}$ in which n is an integer from 1 to 24, R^2 is a hydrogen atom or an alkyl of the formula $-C_mH_{2m+1}$ in which m is an integer from 1 to 24, x is from 1 to 10 and is also 0 for $n=4$, and A is an alkylene group of 2 to 6 carbon atoms, to obtain a nitrogenous vinyl monomer containing 1 or 2 triazine rings and having at least one allyl group and (b) copolymerizing a mixture of 55 to 99.8% by weight of at least one acrylic or methacrylic ester, 0.2 to 10% by weight of nitrogenous vinyl monomer obtained from step (a) and 0 to 35% by weight of a vinyl aromatic monomer to obtain a copolymer having an average molecular weight from 30,000 to 800,000 and a polydispersity lower than 5.

(Compl. Specn. 18 pages.

Drg. 1 sheet)

2-437GI/91

CL : 201-C [GROUP-II(4)].

170042

Int. CL⁴ : C 02 F 1/00.

A PROCESS FOR PREPARING THE PURIFIED EFFLUENTS FROM RUBBER LATEX CENTRIFUGING AND PROCESSING UNITS EMPLOYING SPENT PICKLING LIQUOR FROM IRON PICKLE UNITS.

Applicant & Inventor : PARAMESWARAN PILLAI SIVASANKARA PILLAI, TC 15/20, RAMACHANDRA VILAS, VELLAYAMBALAM, TRIVANDRUM-10, AN INDIAN CITIZEN.

Application & Provisional Specification No. 8/Mas/88 filed January 6, 1988.

Complete Specification left : April 7, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

A process for preparing purified effluents from rubber latex centrifuging and processing units comprising raising the pH of the effluent to 8.5 or above by the addition of lime, followed by precipitating the dissolved organics and coagulating the suspended particles by the addition of spent pickling liquor from iron pickle units, consisting of ferrous chloride and free hydrochloric acid, settling the sludge formed and removing the same by known means.

(Prov. Specn. 3 pages; Compl. Specn 9 Pages.)

CL : 90 K [GROUP XXXVI].

170043

Int. CL⁴ : C 03 C 3/068.

A METHOD FOR THE PRODUCTION OF GLASS FOR OPTICAL AND/OR OPHTHALMIC APPLICATIONS.

Applicant : CORNING GLASS WORKS, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA OF SULLIVAN PARK, FR-212, CORNING, NEW YORK 14831, UNITED STATES OF AMERICA.

Inventors : JEAN EMILE BOUDOT AND JEAN-PIERRE MAZEAU.

Application No. 570/Mas/88 filed on 10th August 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A method for the production of glass for optical and/or ophthalmic applications having an index of refraction between 1.699-1.703, an Abbe number equal to or greater than 41.0, a density less than 3.25 g/cm³, and good chemical durability in an acid medium, which is essentially free of Al_2O_3 and which consists essentially, expressed in terms of weight percent on the oxide basis, of :

SiO ₂	33—37	CaO	8—9.5
B ₂ O ₃	7.5—13	SrO	2—4
SiO ₂ +B ₂ O ₃	44—48	La ₂ O ₃	12.3—14.5
Li ₂ O	5—8	ZrO ₂	4—6
Na ₂ O	0—2.5	Nb ₂ O ₅	8—10.5
K ₂ O	0—2	TiO ₂	5—7
Li ₂ O+Na ₂ O+	5—8	As ₂ O ₃	0—0.8
K ₂ O			

in which a glass forming batch appropriate to provide such glass is melted at a temperature of 1175°C to 1225°C, the melt is heated to 1325°C to 1400°C to homogenize and fine the melt, the heated melt is cooled to a viscosity adequate for forming and molding the same to a suitable shape followed by annealing from 550°C to 610°C at a cooling rate of 55°C to 65°C per hour.

(Compl. Specn. 11 pages.

Drgs. NIL.)

Ind. Cl. : 32-C [GROUP IX(1)].

170044

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Int. Cl.⁴ : A 61K 39/29.**A PROCESS OF PRODUCING A POLYPEPTIDE HAVING AN ANTIGENIC PORTION OF HBsAg.**

Applicants & Inventors : DAVID H. L. BISHOP, OF 15 RAWLINSON ROAD, OXFORD OX2 6UE, UNITED KINGDOM; AND C.-YONG KANG, OF 4 SWANS WAY-NORTH, GLOUCESTER, ONTARIO K1J 6J1, CANADA.

Application No. 387/Mas/89 filed May 16, 1989.

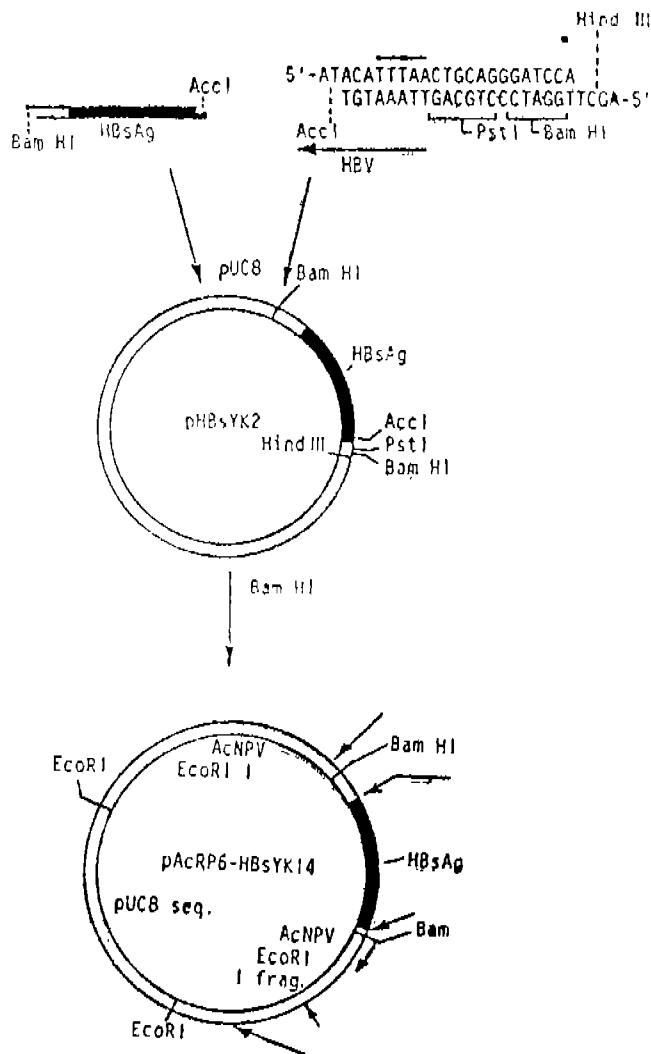
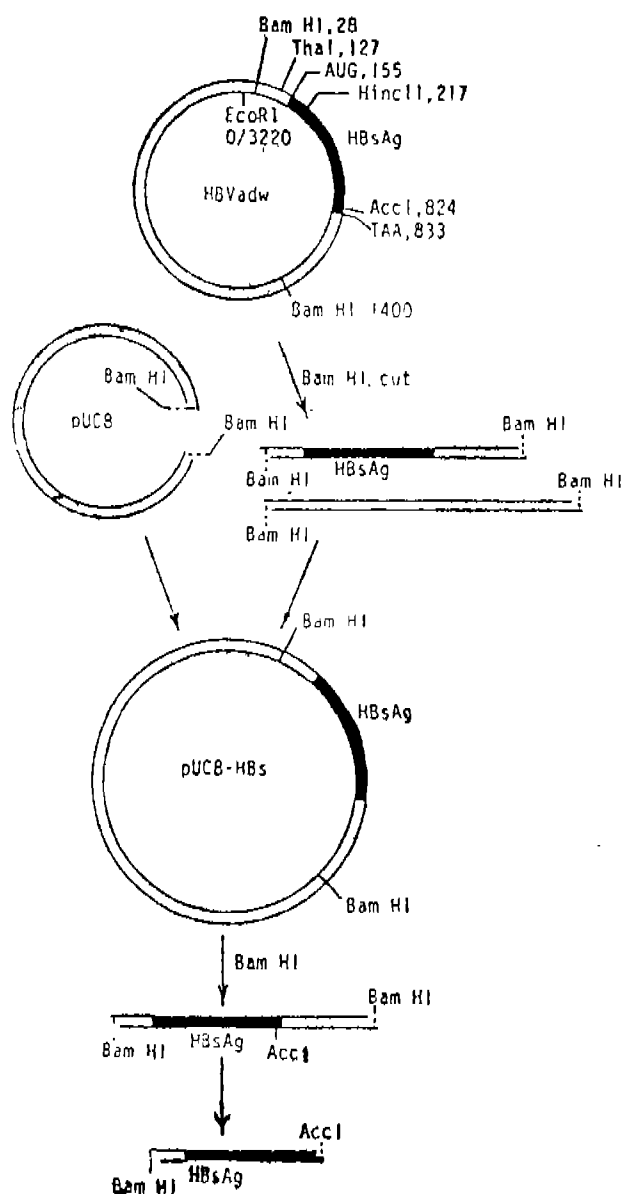
Divisional to Patent Application No. 655/Mas/87; Ante-dated to September 8, 1987.

Convention date : September 8, 1986; (No. 8621578; United Kingdom).

4 Claims

A process for producing a polypeptide having an antigenic portion of HBsAg comprising :

preparing an expression vector of a recombinant baculovirus of a polyhedrin-negative phenotype having a DNA segment coding for said polypeptide under expressional control of a polyhedrin promoter by contra-infecting susceptible insect cells with a recombinant transfer vector having the said DNA segment and infectious DNA of said baculovirus, infecting susceptible insect cells with the said expression vector under expressional control of the corresponding polyhedrin promoter and recovering the polypeptide secreted from the infected cells in a known manner,



Ind. Cl. : 32C [GROUP IX(1)].

170045

Int. Cl.⁴ : A 61 K 39/29.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

A PROCESS FOR PRODUCING PRE-S2 PROTEIN.

Applicants & Inventors : DAVID H. L. BISHOP, OF 15 RAWLINSON ROAD, OXFORD OX2 6UE UNITED KINGDOM; and C-YONG KANG, OF 4 SWANS WAY NORTH, GLOUCESTER, ONTARIO K1J 6J1, CANADA.

Application No. 388/Mas/89 filed May 16, 1989.

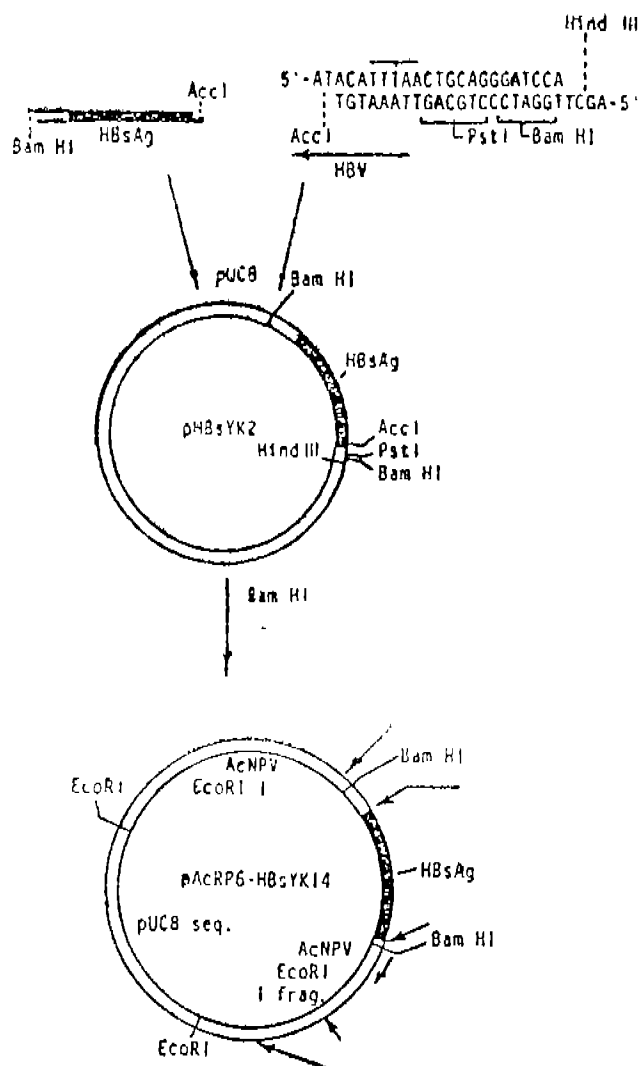
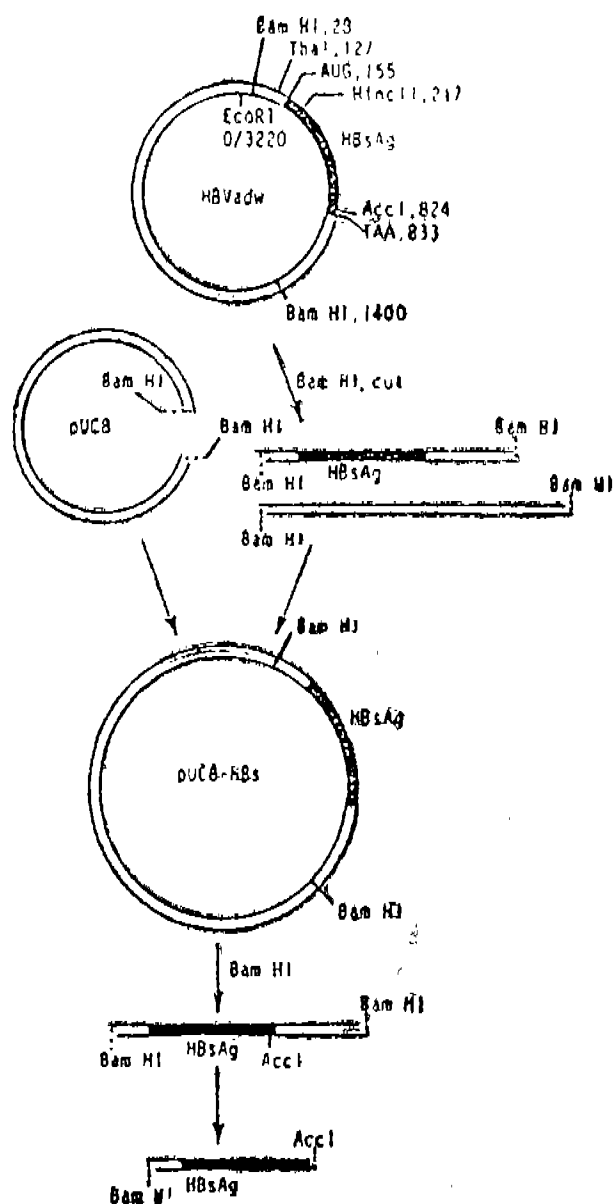
Divisional to Patent Application No. 655/Mas/87; Antedated to 8th September, 1987.

Convention date : 8th September, 1986; (No. 8621578; United Kingdom).

4 Claims

A process for producing Pre-S2 protein comprising :

preparing an expression vector of a recombinant baculovirus of a polyhedrin-negative phenotype having a DNA segment coding for said pre-S2 protein under expressional control of a polyhedrin promoter by contra-infecting susceptible insect cells with a recombinant transfer vector having the said DNA segment and infectious DNA of said baculovirus, infecting susceptible insect cells with the said expression vector under expressional control of the corresponding polyhedrin promoter and recovering the Pre-S2 protein secreted from the infected cells in a known manner.



Ind. Cl. : 55 F [GROUP-XIX(1)]

170046

Int. Cl.⁴ : A 01 N 43/00**A PROCESS FOR PREPARING A PLANT GROWTH STIMULATING COMPOSITION.**

Applicant : BOARD OF TRUSTEES, A CONSTITUTIONAL CORPORATION OPERATING MICHIGAN STATE UNIVERSITY, OF EAST LANSING, MICHIGAN 48824, UNITED STATES OF AMERICA.

Inventors : (1) STANLEY K RIES, (2) VIOLET F WERT, (3) MURALEEDHARAN G NAIR.

Application No. 508/MAS/89 filed July 4, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for preparing a plant growth stimulating composition comprising preparing an aqueous solution having 0.01 to 100 micrograms per litre of 9-beta-L (+) adenosine and adding a desired amount of adenosine deaminase and a known surfactant.

(Compl. specn. 17 pages;

Drgs. 5 sheets each of size 33.00 cms. by 41.00 cms.)

Ind. Cl. : 55-E₄ [XIX(1)]

170047

Int. Cl.⁴ : A 61 K 31/13, 31/44.**A METHOD FOR PREPARING A DRUG COMPOSITION TO COMBAT INFECTIOUS DISEASES.**

Applicant : DEUTSCHES AUSSATZIGEN-HILFSWERK E. V. OF DOMINIKANERPLATZ 4, 8700 WURZBURG, WEST GERMANY, A WEST GERMAN COMPANY.

Inventors : (1) HELMUT SCHONENBERGER, (2) ERWIN VON ANGERER, (3) WOLFGANG RUDOLF MEINDL, (4) GOTTHARD RUCKDESCHEL.

Application No. 512/MAS/89 filed July 4, 1989.

Divisional to Patent No. 479/MAS/85; Ante-dated to June 26, 1985

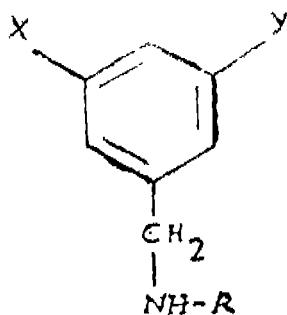
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A method for preparing a drug composition to combat infectious diseases, especially to combat mycobacteriases, in particular tuberculosis and leprosy, said method being characterised by mixing isonicotinic acid hydrazide or a pharmaceutically acceptable acid addition salt thereof, and at least one halogen-substituted benzylamine of the general formula (I) shown in the accompanying drawings.

wherein R is hydrogen or n-alkyl with 1 to 5 carbon atoms, and X and Y are equal or different, being hydrogen, fluorine, chlorine or bromine, X and Y, however, not being able to be hydrogen simultaneously, or a pharmacologically acceptable acid addition salt thereof, in a quantity ratio of 0.15—3% to 99.85—97% with conventional pharmaceutically acceptable carriers, conventional auxiliary substances and/or conventional diluents.

The compositions prepared according to this invention are useful in the treatment of tuberculosis and leprosy.



(Compl. specn. 43 pages;

Drgs. 5 sheets)

Ind. Cl. : 32-F₂(h) [GROUP IX(1)]

170048

Int. Cl.⁴ : C 07 H 19/00.**A PROCESS OF PREPARING AN ACYL DERIVATIVE OF A 2'-DEOXYRIBONUCLEOSIDE.**

Applicant : PRO-NEURON, INC., A CALIFORNIA CORPORATION, U.S.A., OF 31 SUNSET ROCK ROAD, ANDOVER, MASSACHUSETTS 01810, U.S.A.

Inventors : (1) REID WARREN VON BORSTEL, (2) MICHAEL KEVIN BAMAT.

Application No. 513/MAS/89 filed July 5, 1989.

Convention date : October 27, 1988; (No. 581,430; Canada).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

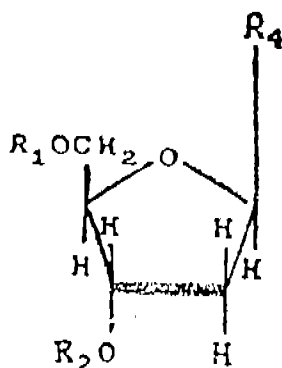
2 Claims

A process of preparing an acyl derivative of a 2'-deoxyribonucleoside, having the formula I of the accompanying drawings

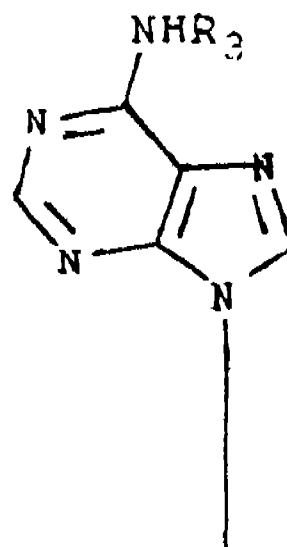
in which R⁴ is selected from compounds of the formulae II to V of the accompanying drawings

wherein R¹, R² and R³ are the same or different and each is hydrogen or an acyl group derived from an unbranched fattyacid with 3 to 22 carbon atoms, an amino acid selected from the group consisting of glycine, the L forms of alanine, valine, leucine, isoleucine, tyrosine, proline, hydroproline, serine, threonine, cysteine, aspartic acid, glutamic acid, arginine, lysine, histidine, carnitine and ornithine, nicotinic acid, or a dicarboxylic acid having 3 to 22 carbon atoms with a proviso that when not all of R₁, R₂ and R₃ are H, then R₁ and/or R₂ may also be acetyl, and when R₄ is of the formula V of the accompanying drawings and if R₁ is an acyl group, and R₂ and R₃ are H, then R₁ is not an acyl group derived from an unbranched fattyacid with 16 carbon atoms; if R₂ is an acyl group, and R₁ and R₃ are H, then R₂ is not an acyl group derived from an unbranched fattyacid with 14 carbon atoms; if R₁ and R₂ are each an acyl group, and R₃ is H, then neither R₁ nor R₂ is an acyl group derived from an unbranched fatty acid with 3 or 4 carbon atoms, the said process comprises, blocking substituents which interfere with the reaction in a known manner, reacting the acid anhydride or acid chloride of the desired acyl compound with the corresponding deoxyribonucleoside in pyridine, dimethylformamide or a mixture of the same dissolving the acyl compound formed in dimethylacetamide separating out the desired acyl derivative and removing the protecting groups with acid in a known manner.

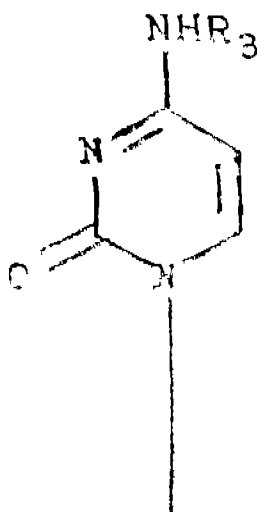
The compounds prepared according to this invention are useful in the treatment of cell tissues damaged by radiation, sunlight, mutagens etc.



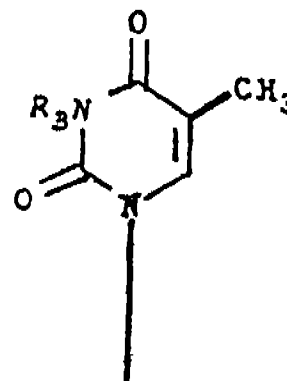
Formula I



Formula IV



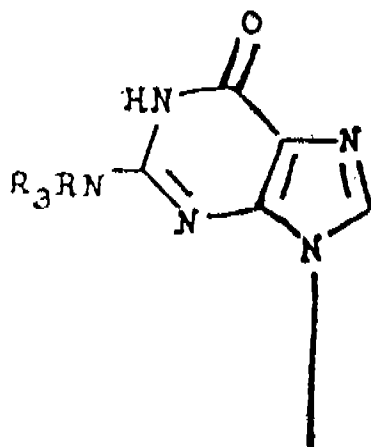
Formula II



Formula V

(Compl. specn. 50 pages:

Drgs. 6 sheets)



Formula III

Ind. Cl. : 172-D₄ [GROUP XX]

170049

Int. Cl.⁴ : D 01 H 7/892.

A METHOD OF JOINING THREADS IN AN OPEN END SPINNING APPARATUS.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, A GERMAN COMPANY, OF FRIEDRICH-EBERT STRASSE 84, 8070. INGOLSTADT, GERMANY.

Inventors : (1) PETER ARTZI, (2) GERHARD EGBERS, (3) HEINZ MULLER, (4) EBERHARD GRIMM, (5) FRANZ SCHREYER.

Application No. 527/MAS/89 filed July 11, 1989.

Divisional to Patent No. 166492 (782/Mas/85); Antedated to 4th October, 1985.

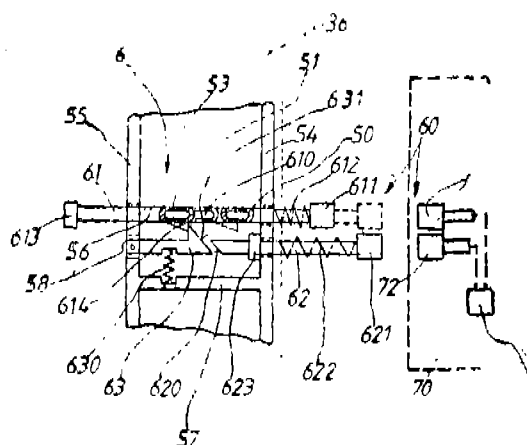
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A method of joining threads in an open-end spinning apparatus having a feed apparatus for supplying a fibre silver, and an opening cylinder which is arranged in a housing and from which the separated fibres are supplied by means of a suction stream for thread formation, via a feed duct to a fibre collecting surface of the spinning apparatus and in

which method, during the piecing operation, a thread end is returned to the fibre collecting surface from which the previously returned thread is removed again while fibres are continuously bound in, and in which the feed apparatus is switched on in preparation for the piecing operation and, when the feed apparatus is running, the fibre stream is deflected in its fibre transportation path to the fibre collecting surface and is supplied to a suction opening outside the fibre transportation path on the peripheral wall of the housing surrounding the opening cylinder and is supplied to the fibre collecting surface only at the beginning of the actual piecing operation, wherein,

for preventing false air streams to enter the housing of the opening cylinder, openings in housing are close with the exception of a feed opening and the fibre duct, and the vacuum outside the fibre transportation path is brought into effect, and the fibre stream, after the feed apparatus has been switched on again, is guided away past the entrance opening of the feed duct and is sucked away until, at the beginning of the actual piecing, this vacuum is switched off again and the previously shut openings in the housing are reopened so that the fibre stream is supplied to the fibre collecting surface and the thread end is returned to the fibre collecting surface.



(Compl. specn. 65 pages;

Drgs. 7 sheets)

Ind. Cl. : 80—K—[GROUP VI]

170050

Int. Cl.⁴ : B 01 D 35/00.

FILTER FOR MICROFILTRATION, ULTRAFILTRATION OR FOR REVERSE OSMOSIS, OF FLUIDS.

Applicant : EPOC LIMITED, A BRITISH COMPANY, OF 6 ESTERBROOKE STREET, HIDE PLACE, WESTMINSTER, LONDON SW1, ENGLAND.

Inventors : (1) ANTHONY LIEGHTON DOWNING, (2) RODNEY CHARLES SQUIRES.

Application No. 566/MAS/89 filed July 31, 1989.

Convention date : March 12, 1985; (No. 8506350; United Kingdom).

Divisional to Patent No. 166866 (169/MAS/86); Antedated to March 12, 1986.

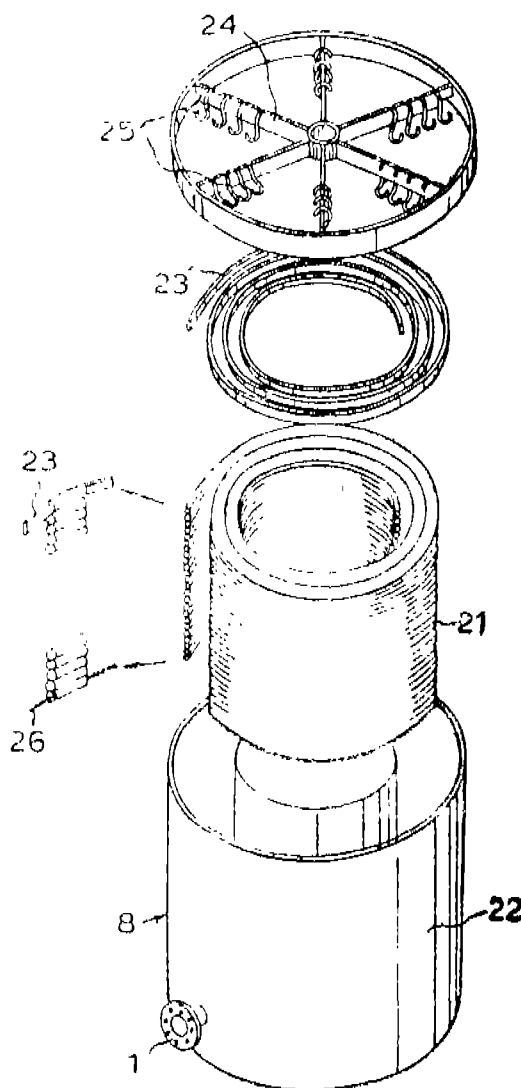
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A filter for microfiltration, ultrafiltration or for reverse osmosis, of fluids, comprising :

a filter support which is in the form of a material having two plies such as herein described which are connected together at parallel, spaced seams to form an integral array of side-by-side, continuous, separate tubes, the

seams being strong enough to resist a relative pressure of 400 kPa in the tubes and each wall of each tube being highly flexible and being restrained during filtration, when the filter support is under the pressure of feed, solely by tensile forces in the wall itself, and substantial movement of the wall being possible in the direction at right angles to its face when the pressure on either side of the filter support are equal, holding means (23, 24, 25, 32 and 52) for holding the filter support in position, a duct for feeding fluid to be filtered to each of the tubes and means (22, 54) for collecting the filtered fluid.



(Compl. specn. 38 pages;

Drgs. 9 sheets)

Cl. : 32 F 2a

170051

Int. Cl.⁴ : C 07 c 143/675.

A PROCESS FOR THE PREPARATION OF 2-ACYLAMINO NAPHTHALENE-SULPHONIC ACID OR ITS ALKALI METAL SALT.

Applicant : HOECHST CELANESE CORPORATION, ROUTE 202-206 NORTH, SOMERVILLE, N.J. 08876, UNITED STATES OF AMERICA.

Inventors : (1) THOMAS S. PHILLIPS, (2) ANTHONY J. CORSO.

Application No. 482/Cal/88 filed on 14th June, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A process for the preparation of a 2-acylamino-naphthalene sulfonic acid or its alkali metal salt of the general formula (1) of the accompanying drawing wherein :

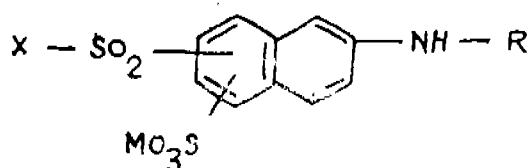
M is hydrogen or an alkali metal,

R is a group of the general formula $\text{CO-R}'$ in which

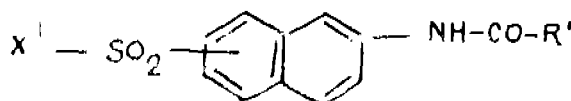
R is an alkyl, aryl or substituted alkyl or substituted aryl group,

X is a group of the formula $-\text{CH}_2-\text{CH}_2-\text{Z}$, in which

Z is an organic or inorganic substituent capable of being split off by means of an alkaline agent, and the sulfo group $-\text{SO}_3\text{M}$ where M is H or alkali metal is in the 7-position if the group $\text{X}-\text{SO}_2-$ is in the 5-position if the group $\text{X}-\text{SO}_2-$ is in the 7-position, characterized in that a 2-acylamino naphthalene compound of the general formula (2) in which R^1 is defined as above, X^1 has one of the meanings of X defined above or is p-hydroxyethyl group, and the group X^1-SO_2- is in the 5-or 7-position, is reacted with a common sulfonation agent as herein described and if in the compound of formula (1) to be prepared M is an alkali metal, converting the compound of formula (1) obtained in which M is hydrogen, in its alkali metal salt in a conventional manner.



Formula (1)



Formula (2)

Compl. specn. 12 pages.

Drg. 1 sheet

Cl. : 34 C

170052

Int. Cl. : C 08 B 16/00, C 08 L 1/00

A PROCESS FOR PREPARING A FUNCTIONAL REGENERATED CELLULOSE COMPOSITION.

Applicant : SHINKOHJINKASEI CO. LTD. 1-1, KOU-KOKUMACHI, YATSUSHIRO CITY, KUMAMOTO 866, JAPAN.

Inventors : (1) KEIJUN HIRAOKA, (2) SUNAO MORIMOTO, (3) ITARU KIMURA.

Application No. 577/Cal/88 filed on 11th July, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A process for preparing a functional regenerated cellulose composition which comprises adding 3 to 300% by weight of an active carbon powder having previously absorbed in it a solvent, such as herein described from 10 to 1000% by weight of the carbon powder said having a boiling point of not more than 260°C and 1 to 100% by weight of at least one flame retarder selected from phosphorus compounds inactive to viscose or sodium hydroxide and insoluble in water and an acid to a viscose containing 5 to 15% by weight of cellulose and 2.5 to 10% by weight of sodium hydroxide, co-agulating the resulting mixture in a coagulation bath containing 40 to 200 g/litre of sulfuric acid and 150 to 380 g/litre of sodium sulfate to regenerate cellulose, and drying at a temperature of not lower than the boiling point of said solvent, said % of the active carbon powder and the flame retarder being % by weight based on the cellulose.

Compl. specn. 21 pages.

Drg. Nil

Cl. : 148 H

170053

Int. Cl. : H 05 G 1/00.

DEVICE FOR SLIT RADIOGRAPHY.

Applicant : B. V. OPTISCHE INDUSTRIE "DE OUDE DELFT", VAN MIEREVELTIAAN 9, 2612 XE DELFT, THE NETHERLANDS.

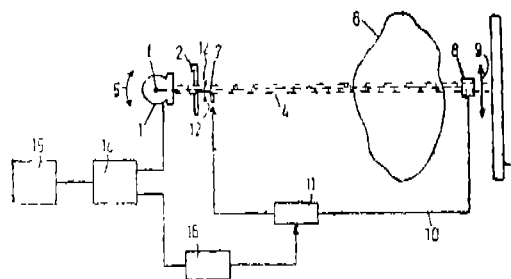
Inventors : RONALD JAN GEIUK AND HUGO VLASBLOEM.

Application No. 602/Cal/88 filed on 19th July, 1988.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

Device for slit radiography comprising an X-ray source; a slit-shaped diaphragm which is placed in front of the X-ray source and forms a fan-shaped X-ray beam during operation with which a body to be examined can at least partially be scanned for the formation of an X-ray shadow image of the scanned part of the body on an X-ray detector placed behind the body; a control signal generator which feeds a signal representing the instantaneous transmission of the body to control means during operation per sector of the fan-shaped X-ray beam; controllable attenuating elements which interact with the slit diaphragm and can influence the fan-shaped X-ray beam per sector under the control of control signals provided by the control means, characterized in that a modulator is provided for modulating the alternating voltage supplied to the X-ray source to vary the hardness of the fan-shaped X-ray beam in a predetermined periodic manner and further that an oscillator is provided to vary the instantaneous height of slit diaphragm periodically at an amplitude less than the maximum height of the slit diaphragm and synchronously with the periodic variation in hardness of the fan-shaped X-ray beam, in a manner such that the altered instantaneous height of the slit diaphragm is minimum when the hardness of the X-ray beam is maximum.



Compl. specn. 15 pages.

Drg. 1 sheet

Cl. : 105 C.

170054

11 Claims

Int. Cl. : G 06 M 3/12.

A DEVICE FOR DETECTING VARIATIONS IN THE EXPECTED VELOCITY OF A DOCUMENT SCANNED BY SCANNING MEANS.

Applicant : NATIONAL COMPUTER SYSTEMS, INC., 11000 PRAIRIE LAKES DRIVE, EDEN PRAIRIE, MINNESOTA 55344, U.S.A.

Inventors : (1) GEORGE EUGENE CARNSER, (2) JOHN VYVYAN MCMILLIN.

Application No. 627/Cal/88 filed on 28th July, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

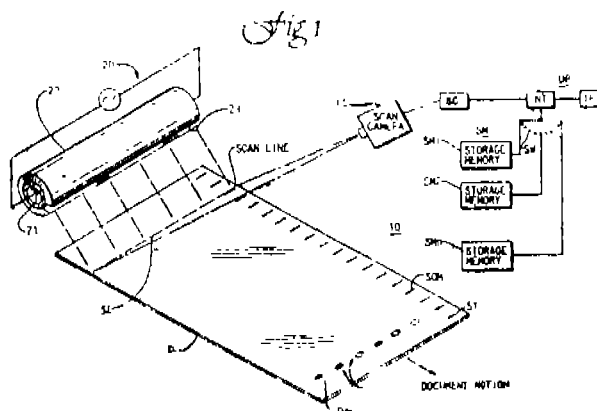
8 Claims

A device for detecting variations in the expected velocity of a document scanned by scanning means having a specified scanning operation frequency, said document having a plurality of timing marks and a plurality of mark areas in specified relation to said timing marks comprising :

timing interval detection means operatively connected to said scanning means for determining the timing interval defined by a preselected start of timing interval mark and a subsequent or preselected end of timing interval mark;

scan counter means operatively connected to said timing interval detection means and said scanning means for counting the number of scan operations occurring during said timing interval; and

scan velocity status means operatively connected to said scan counter means for detecting whether the number of scan operations occurring during said timing interval falls within a preselected range.



Compl. specn. 18 pages.

Drgs. 2 sheets

Cl. : 106

170055

Int. Cl. : F 02 M 57/00.

A COMBINED SWIRLER AND FUEL INJECTOR FOR A GAS TURBINE COMBUSTOR.

Applicant : GENERAL ELECTRIC COMPANY, 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, U.S.A.

Inventors : (1) JOHN WILLIAM VINSON, (2) STEPHEN JOHN HOWELL, (3) ELIAS HARRY LAMPES.

Application No. 700/Cal/88 filed on 22nd August, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

A combined swirler and fuel injector for a gas turbine combustor of the type having means supplying air to an upstream inlet end thereof, said gas turbine combustor also including a source of fuel and fuel flow control means, said improved swirler and fuel injector comprising :

annular flow directing means mounted in said inlet end;

a fuel injector body centrally disposed within said annular flow directing means and being connectable to said source of fuel;

a tubular member disposed mutually coaxial with and spaced between said fuel injector body and said annular flow directing means and defining respectively therewith an annulus and an outer annulus;

primary air swirler means and secondary air swirler means for swirling air entering said inner and outer annuli respectively;

fuel channeling means disposed in said fuel injector body for channeling fuel from said fuel source into said inner annulus as primary fuel and into said outer annulus as secondary fuel downstream of said secondary air swirler means during only a preselected portion of operation of said combustor to support combustion in said secondary recirculation zone, and

said tubular member having a downstream end disposed downstream beyond a terminating end of said fuel channeling means to define a primary recirculation zone radially within said tubular member for receiving a mixture of said primary fuel from said fuel channeling means and air from said primary air swirler means, and to define a secondary recirculation zone radially surrounding said tubular member for receiving a mixture of said secondary fuel from said fuel channeling means and air from said secondary air swirler means.

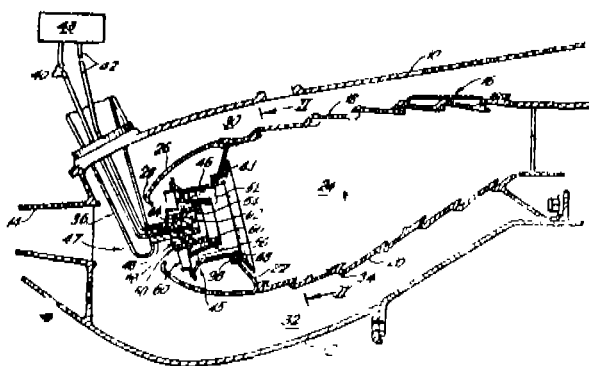


FIG 1

Compl. specn. 32 pages.

Drgs. 6 sheets

Cl. 172-A.

170056

Int. Cl. : D 01 H 9/00, D 01 H 9/18.

BOBBIN.

Applicant & Inventor : MRS. GERHILD SCHLOTTER, AM SCHLOSSLE 1, 8939 BAD WORISHOFEN, WEST GERMANY.

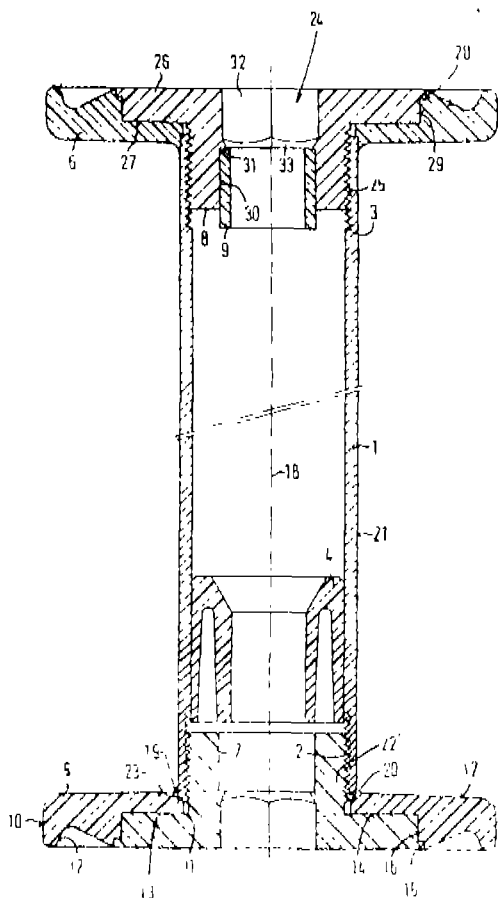
Application No. 714/Cal/1988 filed 26 August, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

11 Claims

A bobbin for yarns or the like, comprising two circular ring shaped discs (5, 6), especially plastics discs abutting axially at either end of a hollow cylindrical bobbin shaft (1) and each being fastened by a hollow screw (7, 8) threaded into an internal thread (2, 3) provided at the respective end of the bobbin shaft (1) and having a screw head (26) which is sunk into a recess (13) at the outside of the respective disc (5, 6) and has a screw head surface (27) projecting outwardly and supporting the respective disc (5, 6) at the outside thereof

by abutting against the bottom surface (14) of the recess (13), characterized in that the screw head surface (27) and the bottom surface (14) of the recess (13) formed in the disc extend substantially at right angles with respect to the bobbin axis (18) and pass over, at their respective outer edge, into a cylindrical screw head wall (28) and a cylindrical recess wall (15), respectively.



Compl. specn. 12 pages.

Drg. 1 sheet

Cl. : 32-E

170057

Int. Cl. : C 08 G 18/00, C 08 F 2/00.

PROCESS OF PREPARING POLYURETHANE PLUG FOR CONTRACEPTION USE.

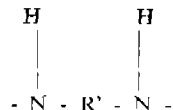
Applicant & Inventor : ZHAO SHENGCAI, NO. 17, SHUAN TA EAST STREET, TAIYUAN, SHANXI PROVINCE, P. R. CHINA.

Application No. 793/Cal/1988 filed 22 September, 1988.

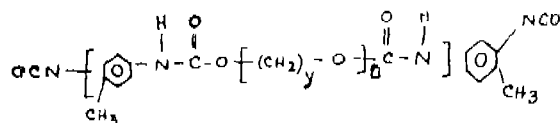
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office, Calcutta.

15 Claims

A process for preparing a polymer with units of formula 11 of the accompanying drawings wherein R is a part of formula 1 without two OCN-radicals and



is a chain-enlargement part, said polymer being suitable for use for producing a polyurethane plug, the process comprising reacting pre-polymers of general formula 1 wherein $Y=2-4$, $n=13-18$ and $x=30-50$ with a chain-enlargement agent with amino-group such as hereindescribed under normal atmospheric temperature or above in the presence of an organic solvent such as acid ester and ketone solvents, known organic acid catalyst, antifoam agent such as hereindescribed and a plasticizer such as hereindescribed to obtain the desired polymer.



Formula (1)

Compl. specn. 16 pages.

Drg. 1 sheet

Cl. : 151-B

170058

Int. Cl. : F23J 3/00.

A SOOTBLOWER.

Applicant : THE BABCOCK & WILCOX COMPANY, 1010 COMMONS STREET, NEW ORLEANS, LOUISIANA 70160, U.S.A.

- Inventors : (1) RONALD EUGENE SHERRICK
(2) DEAN CURTIS ACKERMAN
(3) DEAN ERLE DRAXTON
(4) JOHN CLARENCE MATHEWS
(5) DON WILLIAM SMITH
(6) JOHN GREGORY STEVENS.

Application No. 904/Cal/1988 filed 31 October 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

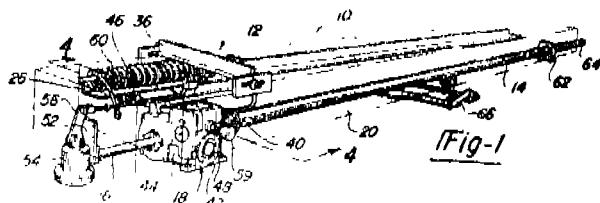
7 Claims

A sootblower having a lance tube with one of more nozzles for projecting a stream of blowing medium against surfaces within a boiler, said lance tube being periodically advanced into and out of the boiler and simultaneously rotated such that the stream of blowing medium projecting from the nozzle traces a helical path, said sootblower comprising :

drive train means for driving said lance tube to undergo said longitudinal and rotational motions in a synchronized manner thereby causing said nozzles to trace said helical paths, said drive train means being carried by a movable carriage coupled to said lance tube and including a drive motor driving said lance tube for rotation and driving at least one pinion gear, said pinion gear meshing with a longitudinal toothed rack for driving said lance tube longitudinally; and

indexing means for displacing the position of said helical path from one sootblower actuation cycle to another such that the helical paths traced by said nozzle are longitudinally offset between said actua-

tion cycles, said indexing comprising said rack having a fixed rack section and a movable rack section, said rack sections interengaging at longitudinally displaced first and second positions, and means for moving said rack sections to said first position during a portion of the actuation cycle of said sootblower, and for moving said rack sections to said second position during another portion of the actuation cycle of said sootblower, whereby said pinion gear is indexed with respect to said rack upon each actuation cycle.



Compl. Specn. 13 pages

Drgs. 1 sheet

Cl. : 145-B

170059

Int. Cl. : D 21 F 3/08

SELF-LOADING CONTROLLED DEFLECTION ROLL.

Applicant : BELOIT CORPORATION, P.O. BOX 350, BELOIT, WISCONSIN 53511, U.S.A.

Inventor : RONNIE ABRAHAM ARAV.

Application No. 919/Cal/1988 filed 03 November 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A controlled deflection press roll structure for coating with an opposed member to form a press nip comprising :

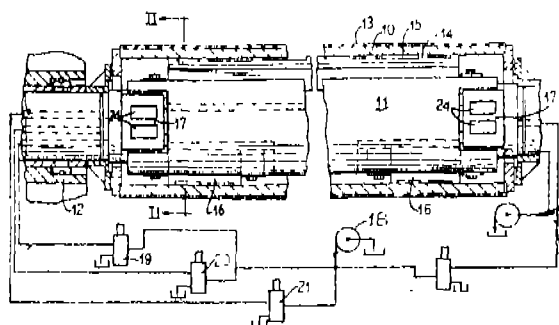
a rotatable roll shell having a cylindrical inner surface and an outer surface for forming a press nip;

a stationary support shaft extending axially through the shell;

force means between the shaft and shell applying a controlled supporting force to the inner surface of the shell to obtain a predetermined pressure at the nip, said force means including shoe means between the shell and shaft; and

an axially facing hydraulic means between the shaft and shoe means applying an axially directed force on the shoe means as the shell rotates about the shaft.

FIG 1



Compl. Specn. 18 pages

Drgs. 3 sheets

Cl. : 98G

170060

Int. Cl. : F28F 3/00

HEAT TRANSFER PLATE FIN CARRIER CORPORATION.

Applicant : CARRIER CORPORATION, P.O. BOX 4800, SYRACUSE, NEW YORK 13221, U.S.A.

Inventor : PAUL S. SACKS (SYMONDS).

Application No. 993/Cal/1988 filed on 01 December 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

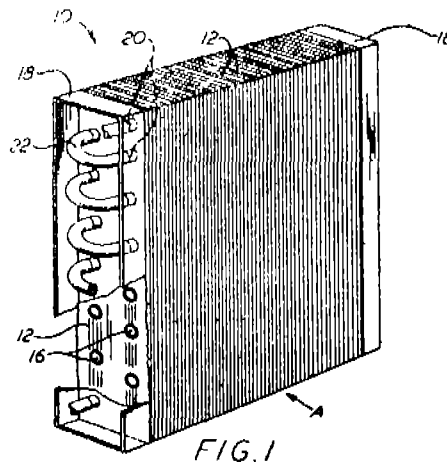
5 Claims

A heat transfer plate fin including opposite facing first and second surfaces or transferring heat between the first and second surfaces and a fluid flowing over the surfaces comprising :

a convoluted heat transfer means for enhancing the exchange of heat between the fluid flowing over the surfaces, said convoluted heat transfer means having a sine-like wave pattern of predetermined height along the first and second surfaces in a direction parallel to the flow of the fluid flowing over the surfaces, said sine-like wave pattern having curved peaks at a maximum of said wave heights of the pattern and curved troughs at a minimum of said wave heights of the pattern whereby said peaks and troughs extend along said convoluted heat transfer means generally transverse to the direction of flow of fluid flowing over the surfaces;

a plurality of enhanced heat transfer sections disposed generally along a selected number of said peaks and troughs, said enhanced heat transfer sections each a group of successively adjacent generally elongated raised lance elements; and

a leading edge section and trailing edge section upstream and downstream of the direction of flow of fluid flowing over the surfaces of each of said enhanced heat transfer sections respectively, said leading and trailing sections being free from raised lance elements.



Compl. Specn. 12 pages

Drgs. 2 sheets

Ind. Cl. : 32 F 3(a) [GROUP IX (1)]

170061

Int. Cl. : C 07 C 67/08.

A CONTINUOUS PROCESS FOR THE PRODUCTION OF A SUBSTANTIALLY ACID FREE DIAKYL MALEATE FROM A FEED STREAM.

Applicant : DAVY McKEE (LONDON) LIMITED, A BRITISH COMPANY OF 250 EUSTON ROAD, LONDON, NW1 2PG, ENGLAND.

Inventors : (1) NORMAN HARRIS
(2) COLIN RATHMELL
(3) KEITH TURNER
(4) JOHN SCARLETT.

Application No. 553/Mas/87 filed on 31st July, 1987.

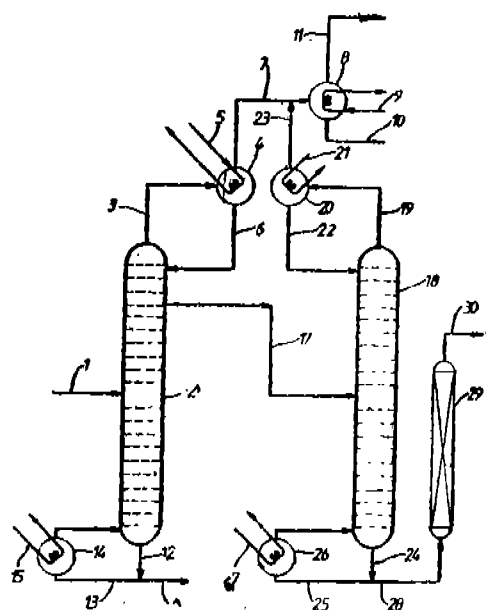
Convention dated 1-8-1986 No. 8618892 (Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

4 Claims

A continuous process for the production of a substantially acid free dialkyl maleate from a feed stream containing dialkyl maleate and monoalkyl maleate which comprises :

- (a) continuously supplying the feed stream to a primary distillation zone;
- (b) continuously distilling the feed stream in the primary distillation zone at a pressure of .03 to 0.33 bar to yield maleic anhydride and alkanol by partial thermal decomposition of monoalkyl maleate;
- (c) recovering from the primary distillation zone (i) a bottom fraction containing monoalkyl maleate and dialkyl maleate in admixture (ii) a vaporous fraction comprising alkanol and (iii) and intermediate fraction substantially free from alkanol comprising dialkyl maleate anhydride and a maleic anhydride;
- (d) continuously redistilling the said intermediate fraction (iii) from step (c) in a secondary distillation zone to yield (i) an overhead fraction containing maleic anhydride and (ii) a bottom fraction containing substantially acid free dialkyl maleate; and
- (e) recovering the bottom fraction (ii) of step (d) in a known manner.



Ind. Cl. : 98 G & 177 D [GROUPS VII (2) & XLV (5)]

Int. Cl.⁴ : F 22 G 3/00 & F 28 D 1/04.

AN APPARATUS FOR HEATING STEAM FORMED FROM COOLING WATER USED IN A HEAT EXCHANGER FOR HOT GAS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN VYLANDT-LAAN 30, 2596 HR, THE HAGUE, THE NETHERLANDS, A COMPANY ORGANIZED UNDER THE LAWS OF THE NETHERLANDS.

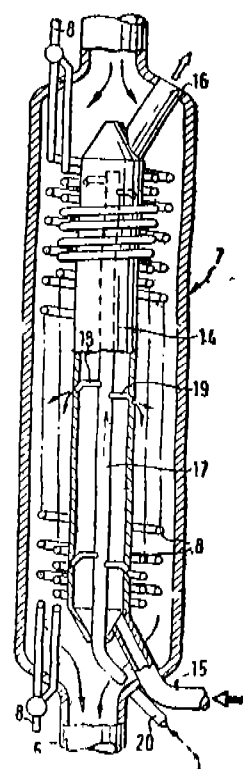
Inventor : HERMAN JOHANNES LAMERIS.

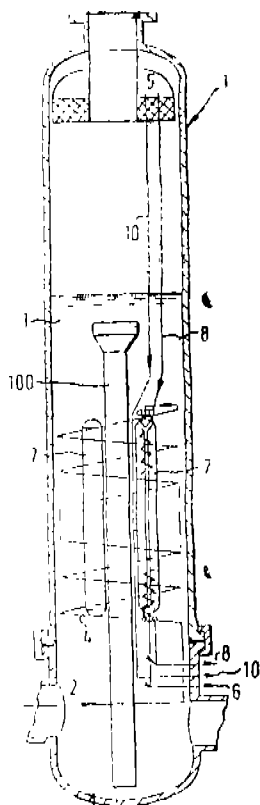
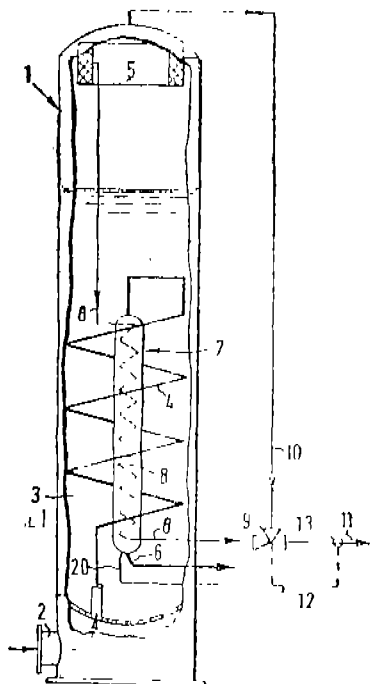
Application No. 565/Mas/87 filed on 5th August, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

7 Claims

An apparatus for heating steam formed from cooling water used in a heat exchanger for hot gas, comprising a vessel (1) having a water cooling compartment (3) with a provision for supplying water, an inlet for the gas to be cooled, and a collecting space (5) for collecting generated steam; at least one gas transmitting tube (4) for transmitting gas from the inlet into the water cooling compartment (3); at least one steam tube (8) connected to the collecting space (5); characterized in that at least one superheater module (7) having an inlet and outlet situated within the water cooling compartment (3) of said vessel (1), each said module (7) being connected to at least one gas transmitting tube (4) and to the respective steam tube (8).





Compl. Specn. 11 pages

Drgs. 4 sheets

Ind. Cl.: 139D [GROUP IV(2)]

170063

Int. Cl.: C 01 B 3/50

AN IMPROVED PROCESS FOR PURIFYING HYDROGEN.

Applicant: LINDE AKTIENGESSELLSCHAFT, of Abraham-Lincoln Strasse 21, D-6200 Wiesbaden, Federal Republic of Germany, a German company.

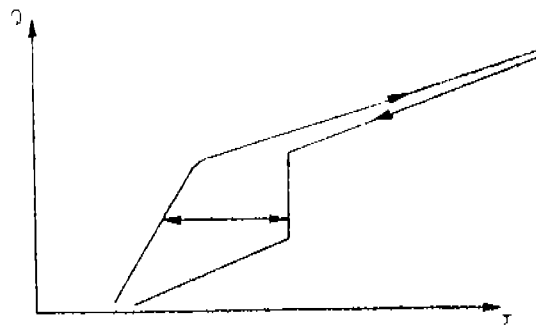
Inventors: (1) DR. HEINZ BAUER, (2) DR. HANS BECKER, (3) WALTER SCHOLZ.

Application No. 580/Mas/87 filed on 12th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

3 Claims

An improved process for purifying hydrogen comprising scrubbing the impure gas stream of hydrogen with partially liquified nitrogen in a scrubbing column at a temperature of -180°C to -210°C wherein the liquid phase nitrogen loaded with impurities and the cooled purified hydrogen are heated by heat exchange with the impure gas stream of hydrogen and the nitrogen stream at a pressure of 10 to 80 bar and at a temperature of -60°C to $+50^{\circ}\text{C}$ through heat exchangers.



(Com. Spec. 15 pages;

Drgs. 6 sheets)

Ind. Class: 40-H [GROUP IV(1)]

170064

Int. Cl.: B 01 4 53/00; 39/16

A PROCESS FOR FORMING AN ASYMMETRIC GAS SEPARATION MEMBRANE.

Applicant: PERMEA, INC., A CORPORATION OF THE STATE OF DELAWARE, OF 11444 LACKLAND ROAD, ST. LOUIS, MISSOURI 63146, UNITED STATES OF AMERICA.

Inventors: (1) CLINT ALLEN CRUSE, (2) ALFRED KEITH FRITZSCHE, (3) RAYMOND FRANCIS MALON, (4) MILTON KEITHMURPHY, (5) ALAN CARL HANDERMANN, (6) ROBERT EMIL KESTING.

Application No. 588/Mas/87 filed August 14, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

9 Claims

A process for forming an asymmetric gas separation membrane of a known hydrophobic polymer having graded density and macrovoid-free morphology with a glass transition temperature greater than the glass transition temperature of the said polymer, comprising:

(a) dissolving the said polymer in Lewis acids, Lewis bases and Lewis acids/bases, complex solvent system having a Hildebrand Parameter less than about $1.5 \text{ Cal/}^{1/2}\text{cm}^{3/2}$ of the Hildebrand Parameter of the polymer to obtain a dope consisting greater than 30% by weight of the polymer in the solvent and near the gel point;

(b) casting the said dope into a membrane form by known means;

(c) coagulating the formed membrane in a known coagulation medium which do not dissolve the membrane but are miscible with the solvent;

(d) removing the resulting formed asymmetric gas separation membrane from the coagulation medium;

(e) washing the membrane with a known fluid which does not dissolve the polymer of the membrane; and

(f) drying the membrane at temperature from ambient to about 20°C below the glass transition temperature of the membrane.

Comp. specn. 65 pages;

Drgs. 6 sheets

Ind. Cl.: 39M [GROUP III]

170065

Int. Cl.: C01B 25/40 & C11D 3/06

FREE FLOWING GRANULAR PARTIALLY HYDRATED PHOSPHATE COMPOSITION.

Applicant: MONSANTO COMPANY, A DELAWARE CORPORATION, RESIDING AT 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63167, UNITED STATES OF AMERICA.

Inventor: LOUIS ALBERT HIGHFILL.

Application No. 624/Mas/87 filed on 27th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

12 Claims

Free flowing granular partially hydrated phosphate composition comprising at least any one of the phosphate selected from sodium tripolyphosphate, sodium pyrophosphate and trisodium phosphate, and from 0.1% by weight to 23% by weight of water, the said water containing from 0.2 ppm to 125 ppm of a known surfactant.

Compl. Specn. 29 pages;

Drgs. 3 sheets

Ind. Cl.: 85J [GROUP XXXI]

170066

Int. Cl.: F23B 1/12

A BOILER FOR COMBUSTING SOLID FUEL.

Applicant: ASEA STAL AB, OF KOPETORP S-581 01 LINKOPING, SWEDEN, A SWEDISH COMPANY.

Inventor: JARVSTART GORAN.

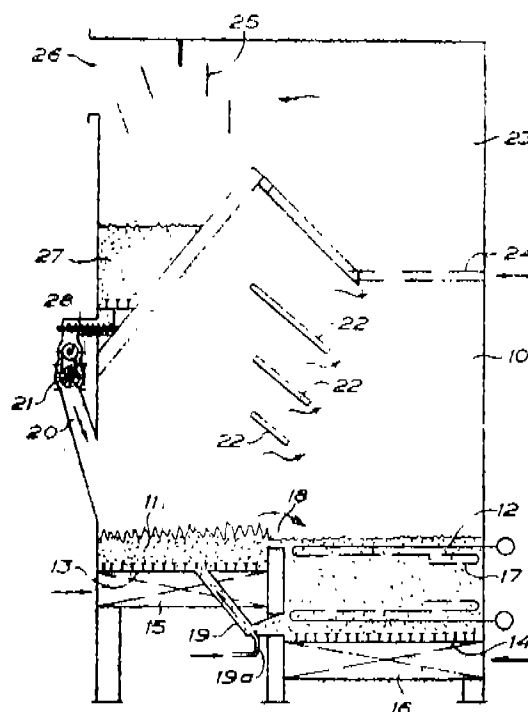
Application No. 627/Mas/87 filed on 31st August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

2 Claims

A boiler for combusting solid fuel comprising a first fluidized bed (11) and a second fluidized bed (12) located laterally of the first bed for combusting solid fuel characterised in that said beds being mutually separated with at least one interconnection between said first bed and said second bed for transfer of particulate material between the said first bed and the said second bed; means for controlling the flow of particulate material between the beds; a common freeboard is provided above the said beds, means are provided for directing flue gas from the first bed towards the second bed for efficient mixing of the flue gas from

the two beds in the common freeboard and supply of particles from the flue gas of the first bed to the second bed and heat exchange means for recovering heat is provided in the said second bed.



Compl. Specn. 8 pages;

Drg. 1 sheet

Ind. Cl.: 206E [GROUP LXII]

170067

Int. Cl.: G06F 15/16

A PARALLEL COMPUTER.

Applicant: THINKING MACHINES CORPORATION, INCORPORATED IN THE STATE OF DELAWARE, U.S.A., OF 245 FIRST STREET, CAMBRIDGE, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor: W. DANIEL HILLIS.

Application No. 629/Mas/87 filed on 31st August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

3 Claims

A parallel computer comprising:

a plurality of processor units, each processor unit comprising a processor, a read/write memory and a control circuit,

a plurality of host computers, and

means for interconnecting said host computers to at least some of the processor units to form a multiprocessor environment,

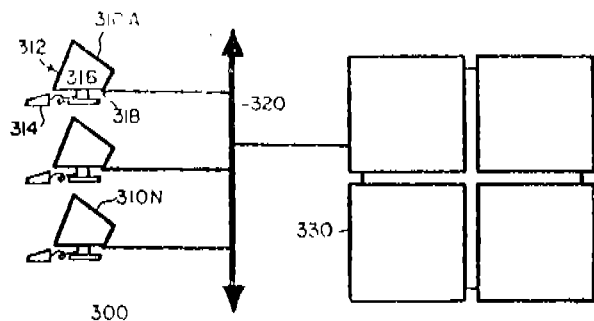
each said control circuit of a processor unit comprising:

means for interconnecting said processor units by routing message packets from one processor unit to another via communication lines in said parallel computer, and

means for subdividing said parallel computer into two or more groups of interconnected processor units which groups do not interact with each other, said subdividing means comprising:

means for selectively controlling access to each of said message packet communication lines, and

means responsive to signals received by the control circuit from a host computer for setting said controlling means so as to prevent access to selected message packet communication lines.



Compl. Specn. 32 pages;

Drgs. 12 sheets

Ind. Cl.: 85F [GROUP XXXI]

170068

Int. Cl.: F23H 1/00 & 13/08

A SPACING HOLDER FOR THE GRATE RODS OF A PIPE SPACING GRATE FOR GUIDING THE PIPES OF HEAT EXCHANGERS.

Applicant: MAN GUTEHOFFNUNGSHUTTE GMBH., a GERMAN CORPORATION OF BAHNHOFSTR. 65, 1200 OBERHAUSEN 11, WEST GERMANY.

Inventor: ULRICH ENGEL.

Application No. 661/Mas/87 filed on 10th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

8 Claims

A spacing holder for the grate rods of a pipe spacing grate for guiding the pipes of heat exchangers, comprising: a grate formed of plurality of intersecting grate rods arranged in more than one plane said grate rods having recesses at the ends; a substantially cylindrical frame having a groove around the inside of said frame for reception of the ends of the grate rods, the frame having a plurality of bores communicating with the groove having a central axis substantially parallel to the groove; a plurality of distance bolts, each of said bolts having a transverse slot for reception of one of said plurality of grate rods, each of said distance bolts having projecting piece positioned in the transverse slot adapted to engage with a corresponding recess of an end of one of said plurality of grate rods so as to provide mutual spacing of said grate rods in said frame.

Compl. Specn. 7 pages;

Drgs. 2 sheets

Ind. Class: 69A [GROUP LIX(1)]

170069

Int. Cl.: H01H 83/02

A MULTIPOLE ELECTRICAL EARTH LEAKAGE PROTECTION CIRCUIT BREAKER.

Applicant: MERLIN GERIN, A FRENCH COMPANY, OF RUE HENRI TARZE-F 38050 GRENOBLE CEDEX, FRANCE.

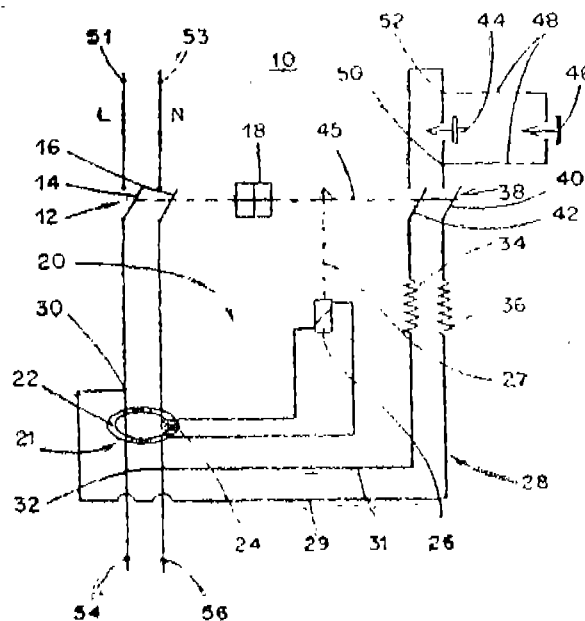
Inventors: (1) RENE CHALLANDE, (2) MICHAEL CHARBONNEAU, (3) MARC PAUPERT.

Application No. 670/Mas/87 filed on September 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

7 Claims

A multipole electrical earth leakage protection circuit breaker comprising a modular assembly of a circuit breaker unit having a multipole breaking device with separable contacts actuated by an operated mechanism characterised in that an earth leakage trip unit is provided which comprises a trip relay, a first mechanical link capable of transmitting a tripping order from the delay to the operating mechanism when an earth leakage fault occurs, a second mechanical link to derive from the toggle opening movement an automatic resetting movement of the relay, and a test circuit having at least one test resistor in a leakage branching circuit, a test button closing of which creates an artificial earth leakage current, and a protective switch designed to disconnect the test resistor and to break the artificial earth leakage current in the test circuit, after opening of the circuit breaker by earth leakage tripping, wherein one of the faces of the trip unit housing coming into engagement with the circuit breaker unit comprises transverse openings for the first and second mechanical links to pass through, and the other opposite face of the housing acts alternately as support, either for a detector unit containing a summation transformer for residual earth leakage current detection, or for an auxiliary unit containing an electronic circuit controlled by tripping and power supply signals from the separate detector unit.



Compl. Specn. 19 pages;

Drgs. 7 sheets

Ind. Cl.: 195D [GROUP XXIX(3)]

170070

Int. Cl.: F16K 21/00

AN IMPROVED FLUID CONTROL VALVE

Applicant: CATERPILAR INC., OF 100 N.E. ADAMS STREET, PEORIA, ILLINOIS 61629-6490 U.S.A., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventors: (1) EUGENE EARL LATIMER, (2) ORCE-NITH DEAN MCWILLIAMS.

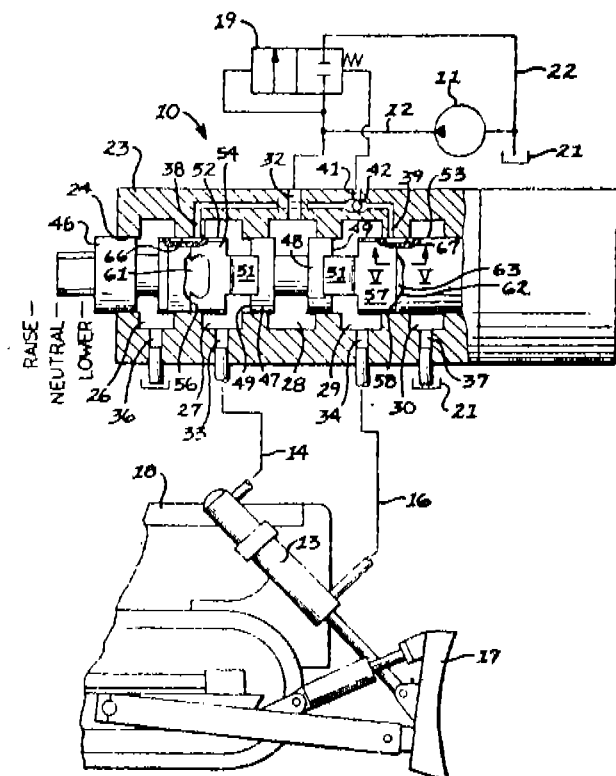
Application No. 690/Mas/87 filed on 23rd September, 1987.

Convention dated 11-3-1987 No. 531696 (Canada).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

2 Claims

In a fluid control valve comprising a body having a bore therein, an annulus intersecting with the bore, a valve spool slidably disposed in the bore and having a cylindrical land, an intersecting control face and a flat surface for controlling fluid flow between the bore and the annulus, the improvement comprising a laterally extending metering slot formed in the flat surface and the control face of the valve spool, the metering slot having a substantially semi-cylindrical surface with the lateral ends of the metering slot being spherical shaped, the metering slot having undercut into the cylindrical land defining a wavy shaped flow control edge at the intersection of the metering slot and the land.



Compl. Spen. 11 pages:

Drgs. 2 sheets

PATENT SEALED

167681 167840 167962 167969 167975 167980 167981 168070
168134 168144 168253 168287

Cal—02

Del—06

Mas—01

Bom—03.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Proposed amendments under Section 57 of the Patents Act, 1970, in respect of Patent Application No. 166213 (719/Mas/85) as advertised in the Gazette of India dated 10-8-91 have been allowed.

Proposed amendments under Section 57 of the Patents Act, 1970 in respect of Patent Application 167872 (515/Mas/86) as advertised in the Gazette of India dated 17-8-1991 have been allowed.

Notice is hereby given that Toyo Engineering Corporation, of 2-5, Kasumigasaki 3-Chome, Chiyoda-Ku, Tokyo, Japan, a Japanese Corporation have made an application under Section 57 of the Patents Act, 1970 for amendment of Specification of their application for Patent No. 169023 for "Improved urea synthesis process having stripping type solution recycled step."

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office 234/4, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form-30 within three months from the date of this notification at the Patent Office, Calcutta. If the Written Statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that MINNESOTA MINING AND MANUFACTURING COMPANY, a Corporation of the state of Delaware, U.S.A., of 3M Center, Saint Paul, Minnesota 55144, U.S.A., have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 406/Mas/87 (169793) for "CUBE-CORNER RETROREFLECTOR." The amendments are by way of correction.

The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that SHELL INTERNATIONALE RESEARCH MAATCHAPPU B.V. a Netherlands Company, of Carel Van Bylandt 30, 2596 HR, The Hague, The Netherlands have made an application under Section 57 of the Patents Act, 1970, for amendment of application 392/Mas/87 (169798) for "A CATALYST COMPOSITION FOR HYDROCARBON CONVERSION". The amendments are by way of correction.

The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that STAUFFER CHEMICAL COMPANY of Westport, Connecticut 06881, U.S.A., have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent 169965 (450/Mas/87) for "A PROCESS OF PREPARING AN AQUEOUS SOLUTION OF PHOSPHORUS PENTOXIDE". The amendments are by way of correction.

The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-3 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that **IMPERIAL SMELTING PROCESSES LIMITED**, a British Company, of 1 Redcliff Street, Bristol, Great Britain, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 482/Mas/87 (169968) for "A PROCESS FOR PRODUCING AGGLOMERATES OF METALS OR OXIDIC OF METALS AT LOW TEMPERATURE". The amendments are by way of correction.

The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of, filing the said Notice.

REGISTRATION OF ASSIGNMENTS LICENCES ETC. (PATENTS)

In pursuance of an application received on 22-8-1986. National Research Development Corporation, 20-22 Zamroodpur Community Centre, Kailash Colony Extension, New Delhi-110 048 registered as licensees by virtue of an assignment deed/licence agreement/mortgage deed dated 21st April, 1986 and made between National Research Development Corporation of the one part and Council of Scientific & Industrial Research of other part in respect of Patent No. 150816.

In pursuance of an application received on 1st December, 1988 Chemische Fabrik Stockhausen GmbH is registered as proprietors/licencees/mortgagees by virtue of an assignment deed/licence agreement/mortgage deed dated 5-9-1988 and made between Chemische Fabrik Stockhausen GmbH and Saarbergwerke AG. of the one part and Chemische Fabrik Stockhausen GmbH of other part in respect of Patent No. 160097.

In pursuance of an application received on 16-01-1991 International Control Automation Finance S.A., of 16, Rue des Bonus, Luxembourg registered as proprietors/licencees/mortgagees by virtue of an assignment deed/licence agreement/mortgage deed dated 29-10-1990 and made between International Control Automation Finance S.A. of the one part and Babcock Wilcox Tracy Power Inc. of other part in respect of Patent No. 160806.

In pursuance of an application received on 26-02-1991, GKN CO. AXLE S.P.A. an Italian Company registered as proprietors by virtue of an assignment deed dated 12-10-1990 and made between G.K.N. CO. AXLE S.P.A., an Italian Company of the one part and Massey-Ferguson Services N.V., Netherlands of other part in respect of Patent No. 161621.

In pursuance of an application received on 4-01-1991, Salzgitter Maschinenbau GmbH, A German Company registered as proprietors by virtue of an assignment deed dated 27-02-1990 and made between Nasemag Dr. E. Andreas GmbH & Co. of the one part and Salzgitter Maschinenbau GmbH of other part in respect of Patent No. 164567.

RENEWAL FEES PAID

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154527 154531 154532 154533 154534 154535 154536 154538
154541 154543

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 3. No. 163397. Rajesh G. Thakur, Karta of Hindu Undividing Family, trading under the name and style of Varum Enterprises, a sole proprietary concern of 12, Vinay Industrial Estate, Link Road, Chincholi Bunder, Malad (West), Bombay-400064, Maharashtra, India, "Coin Collection Box", September 10, 1991.

Class 3. No. 163613. The Procter & Gamble Company of One Procter & Gamble Plaza, Cincinnati, State of Ohio, U.S.A. "Dispensing Bottle". September 23, 1991.

Copyright extended for the 2nd period of five years

Nos. 161541, 158269, 161619, 156951, 158743 to 158745.
Class 1.

Nos. 160099, 160815, 161001, 161094, 163243, 157074, 157073 & 158746—Class 3.

Nos. 162498, 163244 & 163245.—Class 4.

Copyright extended for the third period of five years

Nos. 161541, 158269, 158743 to 158746, 161619.—Class 1.

Nos. 160019, 160815, 161001, 161094 & 151316.—Class 3.

Nos. 162498, 163244 & 163245.—Class 4.

Nos. 162121 & 162122.—Class 12.

R. A. ACHARYA
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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1992

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